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Nº 59

RESEARCH AID

ECONOMIC INTELLIGENCE STATISTICAL  
HANDBOOK



CIA/RR RA-12-R1

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CENTRAL INTELLIGENCE AGENCY  
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# **ECONOMIC INTELLIGENCE STATISTICAL HANDBOOK**

**CIA/RR RA-12-R1  
(ORR Project 00.1758)**

## **NOTICE**

This compilation was prepared primarily for use in ORR and is not a formal ORR publication. Data for the Sino-Soviet Bloc are the best estimates of ORR as of 1 July 1957.

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## FOREWORD

### 1. Objectives and Scope.

The *Economic Intelligence Statistical Handbook*, 1957 (hereafter referred to as the 1957 Handbook), is a concise reference work in tabular and graphic form designed to supply data, primarily on production and inventories, which are pertinent to the analysis and comparison of the economic characteristics of the Sino-Soviet Bloc countries and the countries comprising the North Atlantic Treaty Organization (NATO).

Countries of the Sino-Soviet Bloc included in the 1957 Handbook are the USSR, Communist China, North Korea, North Vietnam, and the European Satellites (Albania, Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, and Rumania). The total production of these countries is compared with that of NATO, whose member countries are Belgium, Canada, Denmark, France, Greece, Iceland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Turkey, the UK, the US, and West Germany. The Saar has been added as a separate political entity because its industrial production is often listed separately in the sources used.

The 1957 Handbook covers primarily the years 1938, 1950, and 1954-56. The previous handbook, which was published in February 1957, covered the years 1938 and 1946-55 and included 1956 estimates for the Sino-Soviet Bloc. The 1957 Handbook is a revision of the preliminary data published earlier and contains data which are believed to be more firm. A more complete series—1938, 1946, 1948, and 1950-56—has been included in this edition for the commodities considered most important as a measure of economic development. Graphic presentation of the data for these commodities has also been included. Data for individual NATO countries, except for the US, have been included only for the years 1954-55 or 1955-56. When available, data for other

major producers of the Free World have also been included for the same years. The US data are given for each year and are always included in the NATO total.

### 2. Sources and Reliability.

Unless otherwise indicated by a source note, data for the Sino-Soviet Bloc countries are ORR estimates contained in the ORR Central Estimates File as of 1 July 1957. To provide a central source for up-to-date reference data, ORR analysts contribute to this file all economic estimates as they are made and revise them regularly. Some of these estimates are provisional. The wealth of statistical data contained in economic handbooks issued by various Sino-Soviet Bloc countries during the past year has increased the general reliability of data contained in this publication compared with previous issues.

Data for the NATO countries were selected from the most reliable and most current sources available. In general, these sources are unclassified publications of the UN and of the Organization for European Economic Cooperation (OEEC) and official statistical publications of the various countries. Reasonable care was exercised in selecting the sources, but CIA does not assume responsibility for their accuracy. A list of the major sources used is included in this volume.

Blanks which appear in the data for any country listed indicate that information was not available as to either the amount or the existence of production. The omission of country names from the table likewise indicates that information was not available as to the amount or the existence of production. However, where it is known that there was no production in a Sino-Soviet Bloc country, this fact is stated in a footnote. Such a statement in regard to the NATO

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countries was not possible, because the sources did not usually distinguish between "No Production" and "Not Available."

3. *Boundaries.*

Because the Sino-Soviet Bloc is relatively new and because significant boundary changes have occurred during the past 25 years, comparability of data becomes an important problem in analyzing some series. Unless otherwise indicated, boundaries of the countries in this research aid are those presently in force, and the data for earlier years have been adjusted accordingly.

4. *Time Series.*

No attempt has been made in compiling the 1957 Handbook to adjust time series to take account of such problems as homogeneity of the product and consistency of reporting systems. Those inconsistencies which are known to be unadjusted have been indicated in footnotes to the individual tables.

5. *Rounding.*

With the exception of a few tables, the data in this report have been rounded to three significant digits. The term "Negligible" has been used to indicate that some production is known to exist but that the amount is too small to be significant.

6. *Totals.*

Totals for NATO and Sino-Soviet Bloc countries are simple additions of unrounded data. Hence they may not always agree with the sum of the rounded figures which appear under the individual country headings. No adjustment has been made to compensate for gaps in country data. Totals were omitted, however, when they were obviously far from the true total of production. Estimated world totals have been included only when the estimates were available in the source publications and when they did not conflict with the summation of the other data appearing in the table.

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NATIONAL ACCOUNTS

Table 1  
ESTIMATED GROSS NATIONAL PRODUCT AT MARKET PRICES, 1938, 1948, AND 1950-56

Country	1938	1948	1950	1951	1952	1953	1954	Billion 1955 Dollars	
								1955	1956
NATO.....	<i>n a</i>	<i>n a</i>	573	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	711	736
Excluding U.S. and Canada.....	<i>n a</i>	<i>n a</i>	230	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	292	304
Canada.....	<i>n a</i>	<i>n a</i>	21.9	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	27.3	29.3
US.....	177	296	321	343	356	370	365	392	403
Sino-Soviet Bloc.....	<i>n a</i>	<i>n a</i>	182	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	263	283
USSR.....	<i>n a</i>	<i>n a</i>	105	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	146	159
Communist China.....	<i>n a</i>	<i>n a</i>	34.5	40.0	45.5	50.0	53.5	56.0	61.0
European Satellites <sup>b</sup> .....	<i>n a</i>	32.5	42.8	46.0	48.6	52.6	56.4	60.7	63.4
Bulgaria.....	1.03	1.10	1.22	1.29	1.35	1.44	1.59	1.71	1.79
Czechoslovakia.....	7.30	7.14	8.45	8.85	9.29	9.93	10.5	11.4	12.1
East Germany.....	16.1	7.39	10.8	12.4	13.6	14.4	15.9	16.7	17.6
Hungary.....	2.45	2.20	2.84	3.32	3.26	3.69	3.54	3.85	3.63
Poland.....	<i>n a</i>	11.9	16.2	16.6	17.4	18.9	20.4	22.0	23.3
Rumania.....	3.07	2.78	3.24	3.57	3.68	4.21	4.48	5.00	4.97

\* Preliminary.

<sup>b</sup> The estimates shown for the European Satellites are only rough indicators of the relative size and rates of growth of the gross national products (GNP) of these countries. The annual rates of growth which may be calculated from these values are considered less reliable than the changes indicated for longer periods. Because of the limitations of the data from which these estimates are derived and because of possible differences in concept and methodology, these GNP values are not necessarily closely comparable with estimates for other countries.

Table 2  
GROSS NATIONAL PRODUCT AT FACTOR  
COST IN THE USSR, BY END USE,<sup>a</sup> 1950,  
1953, 1955, AND 1956

	Billion 1955 Rubles <sup>b</sup>			
	1950	1953	1955	1956
Consumption.....	401	496	554	610
Investment.....	150	195	238	274
Defense.....	101	117	138	147
Administration.....	23	22	21	21
Total.....	675	830	951	1,050

<sup>a</sup> GNP at factor costs equals GNP at market prices plus subsidies minus indirect taxes.

<sup>b</sup> Conversion to US dollars is not possible, because the ruble-dollar ratio for GNP was derived at market prices, not at factor cost. For US dollar valuation of GNP at market prices, see Table 1.

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Table 3  
INDEXES OF INDUSTRIAL PRODUCTION, 1938, 1948, AND 1950-56

Country	1938	1948	1950	1951	1952	1953	1954	1955	1956 <sup>a</sup>
									1950 = 100
US.....	43	93	100	107	111	120	112	124	128
USSR <sup>c</sup> .....	<i>n a</i>	<i>n a</i>	100	112	125	140	158	178	197
Communist China.....	<i>n a</i>	<i>n a</i>	100	139	189	235	283	298	350
North Korea <sup>a, c</sup> .....	<i>n a</i>	100	<i>n a</i>	72	82	99	150	222	<i>n a</i>
European Satellites <sup>d</sup> .....	<i>n a</i>	84	100	111	123	135	147	161	170
Bulgaria.....	63	78	100	109	127	138	152	165	184
Czechoslovakia.....	79	85	100	104	112	121	126	137	150
East Germany.....	139	62	100	119	134	143	159	173	183
Hungary <sup>e</sup> .....	68	70	100	111	132	146	148	157	143
Poland.....	<i>n a</i>	74	100	108	117	134	147	165	175
Rumania.....	73	71	100	114	131	149	154	178	184

<sup>a</sup> Official index for North Korea is on the basis of 1948 = 100.<sup>b</sup> Preliminary.<sup>c</sup> Officially announced index with minor adjustments.

<sup>d</sup> The indexes shown for the European Satellites are only rough indicators of the growth of industrial production in these countries, particularly in the case of annual changes. Despite their limitations, these indexes are believed to give a more accurate impression of the growth in net industrial production than do the official data concerning gross industrial production.

<sup>e</sup> This index is not entirely comparable with the estimates of GNP that are given for Hungary in Table 1. The GNP values for the period 1950-56 are based in part on the official index of national income, which is considered the best available indicator of the trend in GNP. However, official data on net industrial production (which would be used in calculating the official index of national income) are not published by the Hungarian government. Considering the trend shown in the official index of national income, the figure for 1951 in the present rough index of industrial production appears to be too small and the figures for 1954-56 appear to be too large.

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NATIONAL ACCOUNTS

Table 4  
STATE BUDGET OF THE USSR, 1954-57

Category	1954		1955		1956		Billion Current Rubles *
	Plan	Actual	Plan	Actual	Plan	Actual	1957 Plan
<b>Revenues:</b>							
Turnover tax.....	234.4	224.3	233.8	242.4	271.2	258.6	277.3
Profits tax.....	92.8	83.4	117.6	102.8	107.3	102.9	116.0
Population tax.....	45.7	46.4	48.4	48.3	50.3	50.5	51.5
State borrowing..... <sup>b</sup>	(28.4)	(29.2)	41.8	(38.8)	(40.3)	(46.2)	(26.6)
Social insurance receipts.....	24.7	25.3	26.5	26.5	(28.0)	28.3	31.0
MTS revenues.....	n a	n a	6.6	6.2	n a	10.6	13.9
Tax on enterprises and organizations.....	n a	n a	11.6	12.4	n a	14.1	15.5
Economies in administration.....	3.9	n a	6.1	n a	n a	n a	n a
Undisclosed revenues.....	(103.6)	(94.3)	75.3	(70.9)	(95.7)	(74.7)	(70.8)
Subtotal.....	533.5	(502.9)	567.7	(548.3)	592.7	585.9	602.6
Tax rebated to procurement organizations for price differences <sup>c</sup> .....	23.3	(40.0)	22.5	(16.0)	0	0	0
Retail price reductions <sup>c</sup> .....	15.7	(15.7)	0	0	0	0	0
Total revenues.....	572.5	558.6	590.2	564.3	592.7	585.9	602.6
<b>Expenditures:</b>							
Financing the national economy.....	216.4	213.4	222.3	232.7	237.3	244.8	244.7
Heavy industry.....	79.7	n a	101.2	n a	100.9	n a	103.5
Light industry.....	12.6	n a	10.6	n a	9.1	n a	14.9
Total industry.....	92.3	n a	111.8	n a	110.0	126.2	118.4
Agriculture.....	(53.3)	n a	55.1	n a	48.6	50.5	52.9
Procurement.....	(0.2)	n a	n a	(16.0)	15.0	n a	1.4
Trade.....	1.6	n a	0.8	n a	0.6	1.1	0.6
Transport and communications.....	21.5	n a	23.0	n a	21.8	20.6	18.0
Municipal economy.....	(7.5)	n a	(8.0)	n a	(10.5)	(11.0)	(13.5)
Other expenditures.....	(31.0)	n a	(23.6)	n a	(30.8)	(35.1)	(39.9)
Social-cultural measures.....	141.4	141.8	147.0	147.2	161.5	164.4	188.4
Education.....	67.2	66.2	68.5	68.9	72.8	73.6	78.9
Health.....	29.3	28.9	30.5	31.2	35.1	35.7	37.9
Social welfare.....	44.9	46.7	48.0	47.1	53.6	55.1	71.6
Administration.....	13.9	13.3	12.6	12.5	12.5	12.1	11.9
Defense.....	100.3	n a	112.1	107.4	102.5	97.3	96.7
Loan service.....	10.5	10.2	12.2	12.2	14.0	13.9	0
Reserve funds of Councils of Ministers <sup>d</sup> .....	n a	0	n a	0	(13.0)	0	14.0
Allocations to special banks.....	n a	n a	n a	n a	(3.7)	3.7	4.1
Undisclosed expenditures.....	41.3	(119.5)	34.8	(27.5)	(25.1)	27.3	29.4
Subtotal.....	523.8	(498.2)	541.0	(539.5)	569.6	568.5	589.2
Tax related to procurement organizations for price differences <sup>c</sup> .....	23.3	(40.0)	22.5	(0)	0	0	0
Retail price reductions <sup>c</sup> .....	15.7	(15.7)	0	0	0	0	0
Total expenditures.....	562.8	553.9	563.5	539.5	569.6	563.5	589.2
Budget surplus.....	9.7	4.7	26.7	24.8	23.1	22.4	13.4

\* An appropriate ruble-dollar ratio is not available to express the budget in terms of US dollars. It would be misleading to convert the rubles to dollars at the official exchange rate of 4 rubles to 1 US dollar. An idea of the importance of the budget in the national economy is seen by the fact that the 1955 expenditure of 539.5 billion rubles is about 42 percent of the GNP at market prices.

<sup>b</sup> All figures in parentheses are estimates.

<sup>c</sup> In 1954-55 the Soviet budget included revenue and expenditure entries for retail price reductions (representing revenue foregone) and tax rebates to procurement organizations for paying higher agricultural procurement prices. After 1954, there were no more entries for retail price reductions, and tax rebates to procurement organizations were gradually abolished between 1954 and 1956. In 1955 the expenditure entry for rebates was transferred into Procurement, under Financing the national economy.

<sup>d</sup> Actual expenditures for reserve funds are shown as zero because any reserve funds spent are listed under the category for which they are spent.

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## NATIONAL ACCOUNTS

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Table 5

STATE BUDGET OF COMMUNIST CHINA,  
1954-57

	Million Current Yuan <sup>a</sup>			
	1954	1955	1956 <sup>a</sup>	1957 <sup>a</sup>
<b>Revenue:</b>				
Taxes.....	13,218	12,745	14,088	14,670
Profits of State				
Enterprises...	9,962	11,194	13,426	13,670
Credits, Loans, and Insurance.	2,345	2,361	724	623
Other.....	712	903	505	431
Total.....	26,237	27,203	28,743	29,394
Surplus <sup>b</sup> .....	4,509	3,155	1,011	n a
Total Revenue.	30,746	30,358	29,754	29,394
<b>Expenditures:</b>				
Economic Con- struction.....	12,358	13,762	15,915	13,715
Social, Cultural, and Educa- tional.....	3,461	3,189	4,596	4,835
Defense.....	5,814	6,500	6,117	5,523
Administrative..	2,162	2,154	2,660	2,514
Loan Repay- ments.....	n a	n a	722	829
Foreign Aid.....	n a	n a	404	508
Other.....	838	3,742	161	<sup>d</sup> 1,470
Total.....	24,632	29,347	30,575	29,394
Budget Surplus or Deficit.....	1,604	1,011	-821	n a

<sup>a</sup> Because of the difficulty of determining a valid exchange rate, yuan have not been converted into dollars. The rate of 2.46 yuan to 1 US dollar usually quoted is based on the yuan-sterling rate for telegraphic transfers. This should be used with caution, as it is not applicable to the budget data. The budgets of 1956 and 1957 reflect the price cuts of 1956 and, if expressed in the old prices, would be about 3 percent higher.

<sup>b</sup> Carried over from previous year.

<sup>c</sup> The budget speech gives this figure as the surplus funds accumulated since 1949. The Chinese Communists in calculating surplus funds exclude certain of the expenditures for 1951 and 1952 and add certain items to 1950 receipts. Because the 1955 budget speech states that roughly half of the surplus had been previously allocated, only ¥3,155 million is carried over into the 1955 budget.

<sup>d</sup> Including a grant to the banking system of ¥600 million and a general reserve of ¥594 million.

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POPULATION

Table 6

TOTAL POPULATION,<sup>a</sup> 1938, 1946, 1948, 1950-56, AND 1960 PROJECTION

Million

Country	1938	1946	1948	1950	1951	1952	1953	1954	1955	1956	1960
NATO.....	369	386	398	417	422	427	432	437	444	n a	....
US.....	130	141	147	152	154	157	160	162	165	168	....
Sino-Soviet Bloc.....	839	823	838	838	846	855	865	897	908	920	n a
USSR <sup>b</sup> .....	° 192	170	175	180	183	186	190	192	196	199	218
Communist China.....	544	564	<sup>c</sup> 566	568	572	577	583	590	597	604	n a
North Korea.....	8.70	n a	<sup>d</sup> 9.10	n a	n a	n a	n a	7.70	7.85	8.00	n a
North Vietnam.....	n a	n a	n a	n a	n a	n a	n a	14.1	13.0	13.2	n a
European Satellites <sup>e</sup> .....	94.9	88.7	88.2	89.8	90.6	91.6	92.5	93.4	94.4	95.2	n a
Albania.....	1.00	1.13	1.17	1.21	1.24	1.27	1.30	1.34	1.38	1.42	n a
Bulgaria.....	6.67	6.99	7.13	7.26	7.26	7.28	7.36	7.44	7.52	7.60	n a
Czechoslovakia.....	14.6	12.9	12.1	12.4	12.5	12.7	12.8	13.0	13.1	13.2	n a
East Germany.....	16.5	18.5	18.8	18.4	18.4	18.3	18.2	18.1	17.9	17.7	n a
Hungary.....	9.17	9.04	9.16	9.33	9.42	9.50	9.59	9.69	9.80	9.85	n a
Poland.....	31.2	23.7	23.8	24.8	25.3	25.8	26.2	26.8	27.3	27.8	n a
Rumania.....	15.7	16.5	16.0	16.4	16.5	16.8	17.0	17.2	17.4	17.6	n a

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium.....	8.87	n a	Iceland.....	0.158	n a	Portugal.....	8.76	8.84
Canada.....	15.6	16.0	Italy.....	48.0	48.2	Saar.....	0.992	n a
Denmark.....	4.44	n a	Luxembourg.....	0.309	n a	Turkey.....	24.1	24.8
France.....	43.3	43.6	Netherlands.....	10.8	10.9	UK.....	51.0	51.2
Greece.....	7.97	n a	Norway.....	3.42	3.46	West Germany.....	51.0	n a

## OTHER COUNTRIES

Austria.....	6.97	n a	Indonesia.....	81.9	n a	Sweden.....	7.26	7.31
Egypt.....	22.9	n a	Japan.....	89.1	90.0	Switzerland.....	4.98	5.02
Finland.....	4.24	4.29	Spain.....	29.0	29.2	Yugoslavia.....	17.6	17.8
India.....	382	n a						

<sup>a</sup> Mid-year unless otherwise noted.<sup>b</sup> Data refer to 1 January except 1938, for which the 1940 mid-year estimate is used.<sup>c</sup> 1940 mid-year.<sup>d</sup> 1949.<sup>e</sup> Annual average.

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POPULATION

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Table 7  
CIVILIAN LABOR FORCE,<sup>a</sup> 1940 AND 1950-56

Country	1940	1950	1951	1952	1953	1954	1955	1956	Million
NATO <sup>b</sup> .....	<i>n a</i>	n a	n a	n a	n a	171	174	<i>n a</i>	
US <sup>c</sup> .....	55.6	63.1	62.9	63.0	63.8	64.5	65.8	67.5	
Sino-Soviet Bloc.....	412	425	429	432	436	554	460	468	
USSR.....	84.1	85.8	86.0	86.6	86.8	90.0	91.9	94.8	
Communist China.....	275	294	297	300	303	306	310	314	
North Korea.....	3.58	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	3.77	3.85	4.00	
North Vietnam.....	<i>n a</i>	7.15	6.76	6.86					
European Satellites.....	49.5	45.4	45.7	45.9	46.3	47.2	47.8	48.0	
Albania.....	0.580	0.550	0.570	0.600	0.620	0.640	0.650	0.660	
Bulgaria.....	3.75	4.00	3.95	3.95	3.93	4.02	4.16	4.23	
Czechoslovakia.....	7.24	5.92	5.95	5.98	6.01	6.18	6.28	6.45	
East Germany.....	8.58	8.26	8.12	7.94	7.90	8.10	8.24	8.20	
Hungary.....	4.48	4.15	4.27	4.32	4.37	4.43	4.49	4.41	
Poland.....	15.2	12.6	12.8	12.9	13.3	13.5	13.6	13.7	
Rumania.....	9.67	9.87	10.0	10.2	10.2	10.3	10.4	10.5	

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium.....	3.57	3.56	Italy.....	21.5	<i>n a</i>	Norway.....	1.47	<i>n a</i>
Canada.....	5.68	5.82	Luxembourg.....	0.141	<i>n a</i>	UK.....	23.9	24.1
France.....	19.2	<i>n a</i>	Netherlands <sup>d</sup> .....	4.17	<i>n a</i>	West Germany.....	24.8	<i>n a</i>
Greece.....	4.13	<i>n a</i>						

<sup>a</sup> Data refer to the annual average of civilian workers 12 years of age and older in the Sino-Soviet Bloc, to the annual average of civilian workers 14 years of age and older in the US, and to the total labor force including armed forces in the other NATO countries. For details regarding the number of armed forces included, see the following footnote.

<sup>b</sup> Excluding Denmark, Iceland, Portugal, and Turkey. For countries other than the US, armed forces are included. In 1954 the armed forces made up 2,805,800 of the total labor force of those countries; in 1955, 2,733,500.

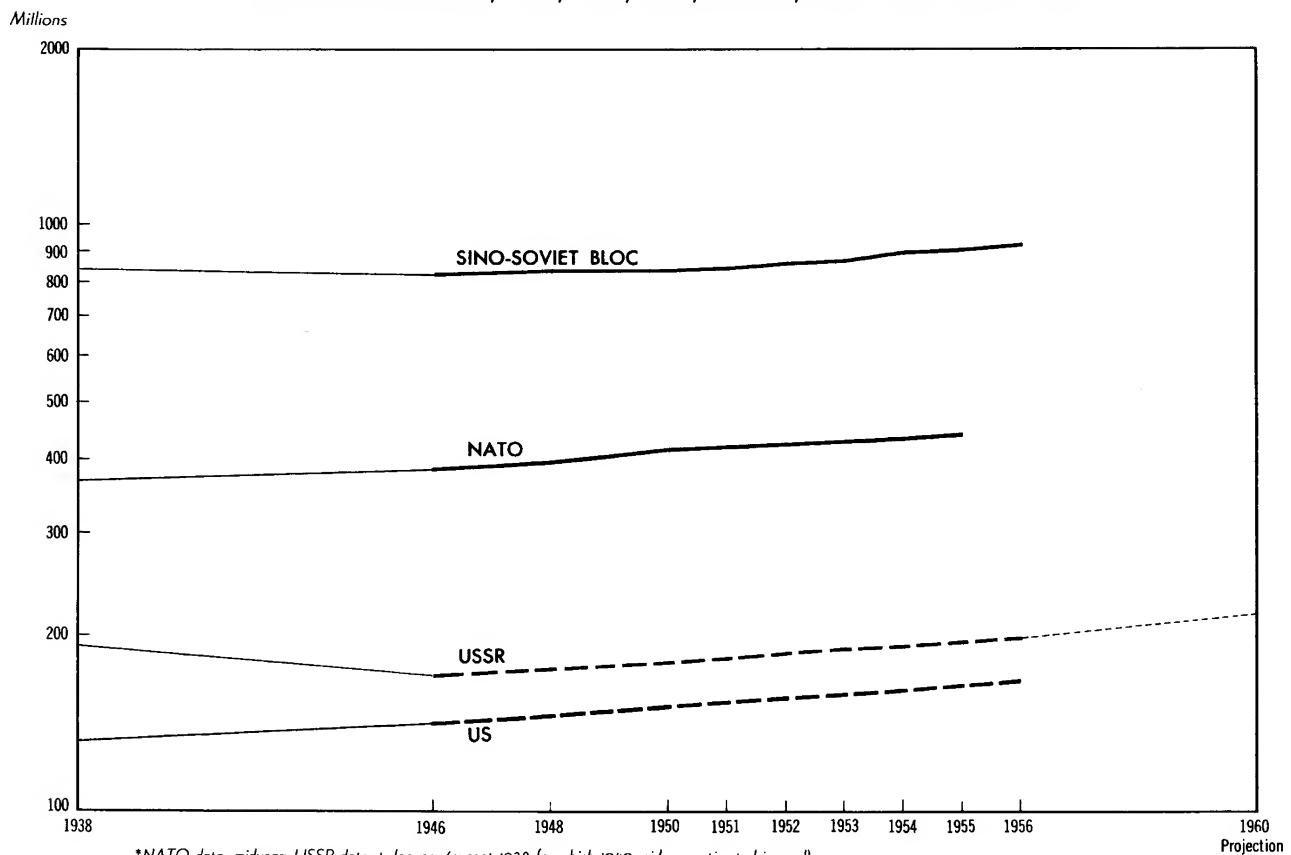
<sup>c</sup> Including unemployed.

<sup>d</sup> In terms of man-years.

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Figure 1

**COMPARISON OF POPULATION\***  
**IN SELECTED AREAS, 1938, 1946, 1948, 1950-56, AND 1960 PROJECTION**



\*NATO data, midyear; USSR data, 1 January (except 1938 for which 1940 midyear estimated is used);  
European Satellites data, annual averages.

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POPULATION

Table 8  
AGRICULTURAL LABOR FORCE,<sup>a</sup> 1940 AND 1950-56

Country	1940	1950	1951	1952	1953	1954	1955	1956	Million
US <sup>b</sup> .....	9.54	7.51	7.05	6.80	6.56	6.50	6.73	6.58	
Sino-Soviet Bloc.....	306	309	309	309	311	323	328	332	
USSR.....	54.7	47.7	46.3	45.4	44.3	45.8	47.2	48.4	
Communist China.....	225	236	238	240	243	245	248	251	
North Korea.....	<i>n a</i>	n a	n a	n a	n a	2.83	2.89	3.00	
North Vietnam.....	<i>n a</i>	6.08	5.75	5.83					
European Satellites.....	26.3	25.0	24.4	23.8	23.5	23.7	23.8	23.9	
Albania.....	0.540	0.460	0.470	0.490	0.500	0.510	0.510	0.500	
Bulgaria.....	3.05	3.12	3.03	2.98	2.92	2.98	3.03	3.08	
Czechoslovakia.....	2.79	2.28	2.17	2.07	1.98	2.02	2.06	2.10	
East Germany.....	1.72	2.12	1.91	1.75	1.69	1.69	1.74	1.78	
Hungary.....	2.14	2.09	2.07	1.99	1.92	1.93	1.97	1.96	
Poland.....	8.70	7.63	7.45	7.41	7.43	7.47	7.37	7.30	
Rumania.....	7.35	7.26	7.25	7.15	7.10	7.11	7.14	7.18	

<sup>a</sup> Annual average of workers 12 years of age and older.<sup>b</sup> Including employed persons 14 years of age and older.

<sup>c</sup> The decline in the annual average between 1952 and 1953 is artificially high because of the transfer of 1.3 million collective farmers to employment on machine tractor stations late in 1953. The number of farm workers employed at the end of 1952 was 46.1 million; at the end of 1953, 45.5 million.

Table 9  
NONAGRICULTURAL LABOR FORCE,<sup>a</sup> 1940 AND 1950-56

Country	1940	1950	1951	1952	1953	1954	1955	1956	Million
US <sup>b</sup> .....	38.0	52.4	54.0	54.5	55.7	54.7	56.5	58.4	
Sino-Soviet Bloc.....	105	117	120	123	125	131	133	136	
USSR.....	31.9	38.1	39.7	41.2	42.5	44.2	44.7	46.4	
Communist China.....	50.0	58.0	59.0	60.0	60.0	61.0	62.0	63.0	
North Korea.....	<i>n a</i>	n a	n a	n a	n a	0.940	0.960	1.00	
North Vietnam.....	n a	n a	n a	n a	<i>n a</i>	1.07	1.01	1.03	
European Satellites.....	23.2	20.4	21.3	22.0	22.8	23.4	24.0	24.2	
Albania.....	0.040	0.090	0.100	0.110	0.120	0.130	0.140	0.160	
Bulgaria.....	0.700	0.880	0.920	0.970	1.01	1.04	1.13	1.15	
Czechoslovakia.....	4.45	3.64	3.78	3.91	4.03	4.16	4.22	4.35	
East Germany.....	6.86	6.14	6.21	6.19	6.21	6.41	6.50	6.42	
Hungary.....	2.34	2.06	2.20	2.33	2.45	2.50	2.52	2.45	
Poland.....	6.50	5.00	5.32	5.53	5.84	6.04	6.23	6.40	
Rumania.....	2.32	2.61	2.77	3.00	3.10	3.16	3.24	3.29	

<sup>a</sup> Annual average of workers 12 years of age and older.<sup>b</sup> Including only employed persons 14 years of age and older.

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POPULATION

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TABLE 10  
MILITARY AGE GROUP,\* 1955, 1960, AND 1965  
Thousands

Country	1955	1960	1965
US.....	11,200	11,500	13,100
Sino-Soviet Bloc.....	82,500	82,400	82,300
USSR.....	18,500	19,200	18,800
Communist China.....	54,800	53,800	54,300
North Korea.....	668	674	680
North Vietnam.....	1,100	1,120	1,140
European Satellites.....	7,470	7,610	7,410
Albania.....	120	140	140
Bulgaria.....	680	620	600
Czechoslovakia.....	940	890	950
East Germany.....	1,100	1,340	1,300
Hungary.....	780	710	720
Poland.....	2,300	2,320	2,190
Rumania.....	1,550	1,590	1,510

\* Including the total male population 20 to 29 years of age, as of the end of the year.

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ENERGY AND FUELS

Table 11  
PRODUCTION OF ELECTRIC POWER, 1938, 1946, 1948, 1950-56, AND 1960 PLAN

Country	1938	1946	1948	1950	1951	1952	1953	1954	1955	1956	Billion Kilowatt Hours	
											1960 Plan	
NATO <sup>a</sup> .....	295	429	555	650	725	774	843	903	995	1,110	.....	
US total <sup>b</sup> .....	142	270	337	389	433	463	514	545	625	682	.....	
of which Hydro... <sup>c</sup>	49	83	87	101	104	110	110	112	116	125	.....	
Sino-Soviet Bloc....	78.2	80.7	110	143	160	183	205	230	260	294	<sup>n a</sup>	
USSR total.....	39.4	48.6	66.3	91.2	104	119	134	151	170	192	320	
of which Hydro.	5.1	6.0	9.4	12.7	13.7	14.9	19.2	18.6	23.1	29.0	59	
Communist												
China.....	4.5	3.8	4.3	4.55	5.77	7.26	9.20	11.0	13.4	16.6	<sup>n a</sup>	
North Korea....	2.5	3.93	6.13	3.0	0.8	0.9	1.0	2.0	3.0	5.1	<sup>n a</sup>	
North Vietnam...	0.024	<sup>n a</sup>	<sup>n a</sup>	0.074	0.098	0.115	0.136	0.16	0.05	0.1	<sup>n a</sup>	
European Satellites.....	31.8	24.4	33.7	44.1	49.5	55.3	60.0	65.8	73.4	79.7	<sup>n a</sup>	
Albania.....	0.003	<sup>n a</sup>	0.0103	0.021	0.0230	0.0378	0.0480	0.0610	0.0823	0.0975	0.153	
Bulgaria.....	0.232	<sup>n a</sup>	0.548	0.780	1.02	1.35	1.6	1.8	2.1	2.4	<sup>n a</sup>	
Czechoslovakia.	4.05	5.57	7.52	9.27	10.3	11.6	12.4	13.6	15.0	16.6	<sup>n a</sup>	
East Germany..	18.0	11.1	14.6	19.5	21.5	23.2	24.2	26.0	28.7	31.2	41.5	
Hungary.....	1.40	1.28	2.02	3.00	3.51	4.20	4.62	4.82	5.43	5.2	<sup>n a</sup>	
Poland.....	6.96	5.71	7.51	9.41	10.7	12.0	13.7	15.5	17.8	19.5	<sup>n a</sup>	
Rumania.....	1.15	0.70	1.50	2.17	2.53	2.90	3.4	4.0	4.3	4.7	<sup>n a</sup>	

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium.....	11.2	11.5	Iceland.....	0.40	0.42	Portugal.....	1.9	2.1
Canada.....	76.3	90.0	Italy.....	37.3	41.5	Saar.....	2.3	2.32
Denmark.....	3.4	4.1	Luxembourg.....	1.1	1.2	Turkey.....	1.5	1.85
France.....	46.5	53.9	Netherlands.....	10.6	11.6	UK.....	80.1	95.2
Greece.....	1.4	1.7	Norway.....	22.3	24.7	West Germany.....	75.8	81.5

## OTHER COUNTRIES

Austria.....	8.4	9.2	Japan.....	65.2	72.1	Switzerland.....	15.4	15.3
Finland.....	6.8	7.6	Spain.....	12.4	13.9	Union of South Africa.	16.4	17.7
India.....	8.5	9.6	Sweden.....	24.7	27.3	Yugoslavia.....	4.3	5.0

<sup>a</sup> Including all NATO countries. The 1946 figure does not include Greece and West Germany. Data normally refer to net production (that is, total production less electricity consumed by the producing plants themselves) by both public utilities and auto-producers (private power stations producing power to supply a specific undertaking). The exceptions are Germany and the Netherlands in 1946-55, for which the data show gross production, and Canada, Denmark, and the UK, for which data cover only enterprises generating primarily for public use. Production by stations with installed capacity below a certain minimum, which varies by country, is also excluded.

<sup>b</sup> All US public supply statistics are reported on a net basis. That is, the data represent power available at the bus bar and thus exclude station use and losses. They do include, however, transmission and distribution losses. When used to compare with Soviet Bloc data, about 5 percent should be added, because, as far as is known, Bloc production data are on a gross basis.

<sup>c</sup> Estimated.

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Table 12  
PRODUCTION OF COAL,<sup>a</sup> 1952-56 AND 1960 PLAN

Country	1952	1953	1954	1955	1956	1960 Plan	Million MT/SF <sup>b</sup>
NATO <sup>c</sup> .....	983	960	900	975	1,010	....	
US.....	477	454	396	467	499	....	
Sino-Soviet Bloc.....	491	519	564	626	678	<i>n a</i>	
USSR.....	248	262	285	321	352	<sup>d</sup> 487	
Communist China <sup>e</sup> .....	59.0	61.8	74.2	86.2	100	<i>n a</i>	
North China.....	0.227	0.530	1.57	2.48	2.95	<i>n a</i>	
North Vietnam <sup>f</sup> .....	0.891	0.789	0.901	0.706	1.11	<i>n a</i>	
European Satellites.....	183	193	203	215	222	<i>n a</i>	
Albania <sup>g</sup> .....	0.049	0.106	0.152	0.198	0.225	<i>n a</i>	
Bulgaria.....	4.30	4.62	4.95	5.91	5.97	<i>n a</i>	
Czechoslovakia.....	39.9	40.6	43.9	46.2	50.8	<i>n a</i>	
East Germany.....	52.2	56.6	59.4	65.3	67.1	<i>n a</i>	
Hungary.....	8.87	10.0	10.4	10.8	9.85	<i>n a</i>	
Poland.....	73.9	77.7	80.3	82.8	83.4	<i>n a</i>	
Rumania.....	3.42	3.59	3.78	4.16	4.41	<i>n a</i>	

<sup>a</sup> Including hard (anthracite and bituminous) and brown coal and lignite.

<sup>b</sup> Million metric tons of standard fuel. The average calorific values used to convert to standard fuel of 7,000 kilocalories per kilogram are listed below. Calculations for standard fuel were not carried out for pre-1952 data, because to do so, using these same values, would be misleading. In most countries, there has been a deterioration in quality of coal since 1938 which has resulted in lower calorific values. As the trend has not been uniform, neither over time nor by individual country, it would be very difficult to arrive at the appropriate calorific values to be used for years prior to 1952.

Average Calorific Values in Kilocalories per Kilogram

Country or Area	Hard Coal	Brown Coal and Lignite
NATO (excluding US).....	6,700	2,800
US.....	7,260	3,890
USSR.....	6,653	3,585
China.....	6,500	<i>n a</i>
North Korea.....	6,100	4,240
North Vietnam.....	6,500	<i>n a</i>
Albania.....	<i>n a</i>	3,500
Bulgaria.....	5,990	4,015
Czechoslovakia.....	6,700	4,300
East Germany.....	6,000	2,200
Hungary.....	4,600	3,215
Poland.....	6,000	2,100
Rumania.....	6,500	4,500

<sup>c</sup> Excluding hard coal in Denmark, Greece, Iceland, and Luxembourg and brown coal in Belgium, Iceland, Luxembourg, Norway, and the UK.

<sup>d</sup> Converted to standard fuel on the basis of an estimated proration of the announced plan figure for total coal.

<sup>e</sup> Brown coal production is negligible.

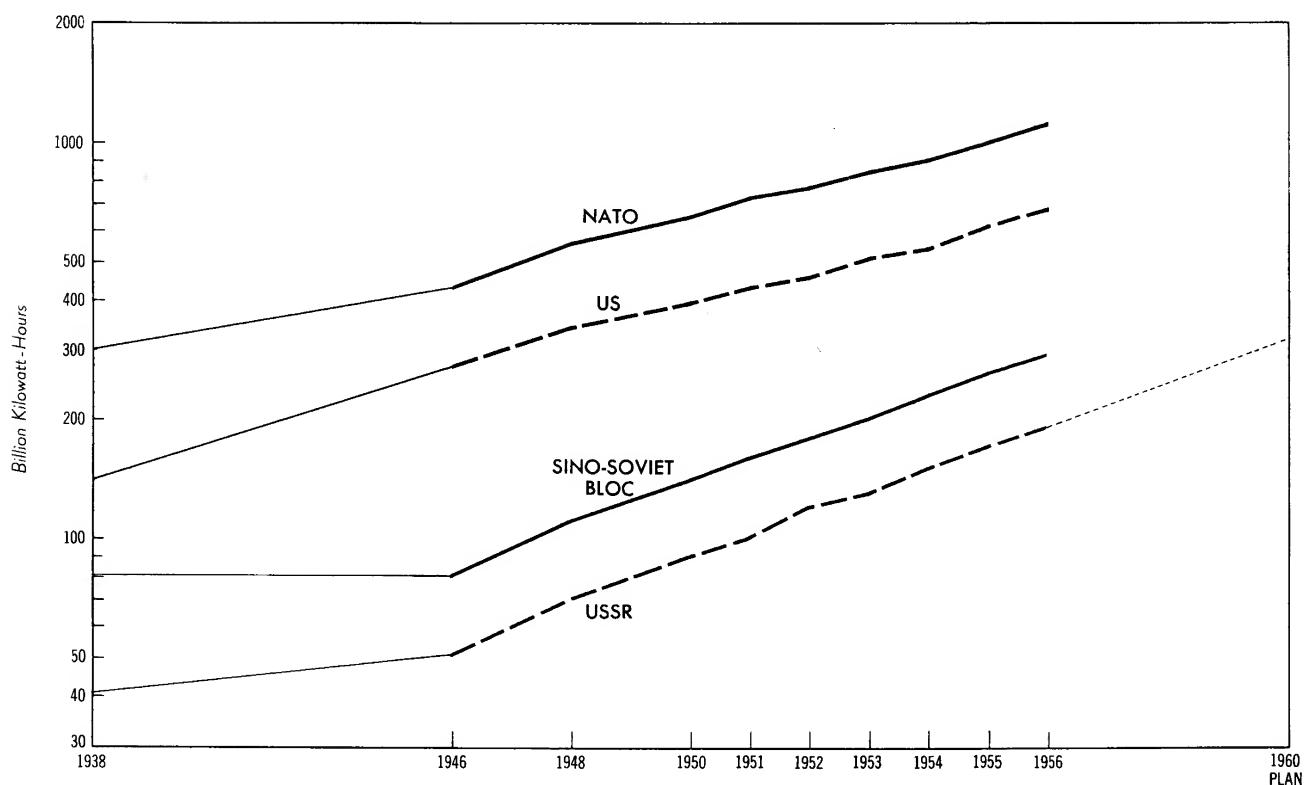
<sup>f</sup> Hard coal only.

<sup>g</sup> Brown coal only.

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Figure 2

COMPARISON OF PRODUCTION OF ELECTRIC POWER IN SELECTED AREAS  
1938, 1946, 1948, 1950-56, AND 1960 PLAN



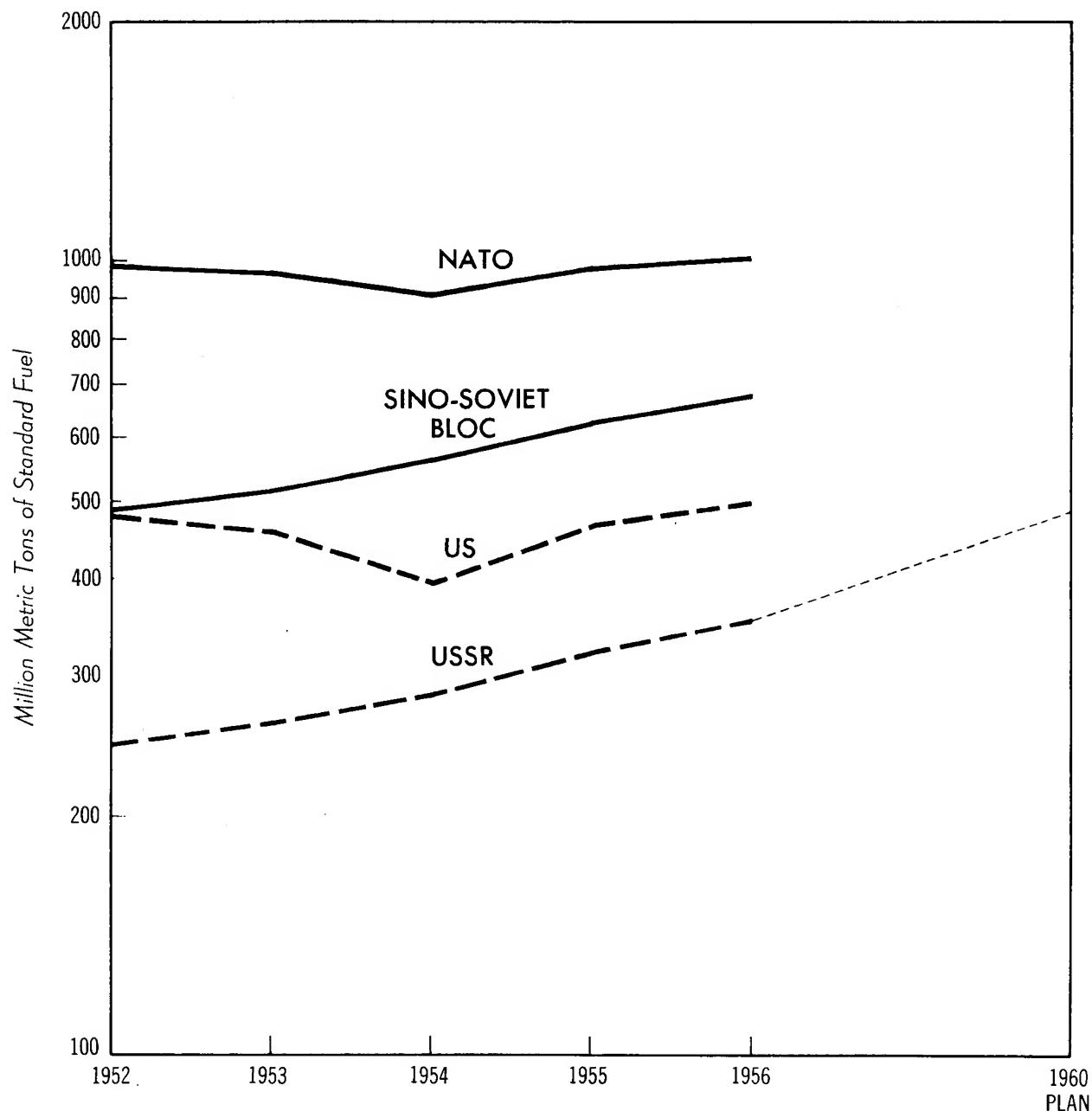
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Figure 3

COMPARISON OF PRODUCTION OF COAL\*  
IN SELECTED AREAS, 1952-56 AND 1960 PLAN



\*Hard and brown coal and lignite.

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ENERGY AND FUELS

Table 13

PRODUCTION OF HARD COAL,<sup>a</sup> 1938, 1946, 1948, 1950-56, AND 1960 PLAN

Million Metric Tons

Country	1938	1946	1948	1950	1951	1952	1953	1954	1955	1956	1960 Plan
NATO <sup>b</sup> .....	844	890	1,010	963	999	948	925	866	938	972	.....
US.....	355	537	593	505	520	458	436	380	449	480	.....
Sino Soviet Bloc <sup>c</sup> .....	240	198	265	329	360	389	407	445	494	538	n a
USSR.....	115	114	150	185	202	215	224	244	276	302	<sup>d</sup> 418
Communist China <sup>e</sup> .....	31.9	17.3	20.2	40.9	50.8	63.5	66.6	79.9	92.8	108	n a
North Korea.....	1.13	0.700	2.10	1.07	0.170	0.170	0.400	1.20	1.80	2.20	n a
North Vietnam.....	2.34	0.260	0.350	0.500	0.630	0.960	0.850	0.970	0.760	1.20	2.00
European Satellites.....	90.3	65.0	92.5	101	106	110	114	119	123	124	n a
Bulgaria.....	0.145	0.093	0.130	0.151	0.164	0.190	0.213	0.228	0.298	0.300	n a
Czechoslovakia.....	15.8	14.2	17.7	18.5	18.4	20.3	20.3	21.6	22.1	23.4	n a
East Germany.....	3.51	2.51	2.85	2.80	3.20	2.75	2.64	2.65	2.67	2.74	n a
Hungary.....	1.04	0.722	1.24	1.40	1.62	1.72	1.99	2.44	2.69	2.00	n a
Poland.....	69.4	47.3	70.3	78.0	82.0	84.4	88.7	91.6	94.5	95.2	n a
Rumania.....	0.330	0.167	0.280	0.370	0.435	0.485	0.535	0.565	0.620	0.650	n a

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium.....	30.0	30.0	Netherlands.....	11.9	11.8	Turkey.....	5.50	5.70
Canada.....	11.4	11.4	Norway <sup>f</sup> .....	0.323	0.390	UK <sup>b</sup> .....	225	226
France.....	55.3	55.1	Portugal.....	0.404	0.413	West Germany.....	131	134
Italy.....	1.14	1.05	Saar.....	17.3	17.1			

## OTHER COUNTRIES

Australia.....	19.6	18.1	Spain.....	12.4	12.4	Yugoslavia.....	1.14	1.23
India.....	38.8	39.0	Taiwan.....	2.36	2.40	World Total <sup>i</sup> .....	1,600	1,670
Japan.....	42.4	45.2	Union of South Africa.....	32.1	34.2			

<sup>a</sup> Including anthracite and bituminous coal.<sup>b</sup> Excluding Denmark, Greece, Iceland, and Luxembourg.<sup>c</sup> No production in Albania.<sup>d</sup> Prorated from announced plan figure for total coal.<sup>e</sup> Including negligible production of brown coal.<sup>f</sup> Total annual production under both French and Communist domination.<sup>g</sup> Norwegian mines in Spitzbergen.<sup>h</sup> Excluding North Ireland.<sup>i</sup> Estimated.

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Table 14  
PRODUCTION OF BROWN COAL AND LIGNITE, 1938, 1946, 1948, 1950-56, AND 1960 PLAN

Country	1938	1946	1948	1950	1951	1952	1953	1954	1955	1956	Million Metric Tons	
											1950-56	1960 Plan
NATO <sup>a</sup> .....	74.3	62.9	76.0	85.9	94.7	94.2	96.7	100	101	107	.....	
US.....	2.72	2.42	2.80	3.06	2.99	2.74	2.59	2.52	2.72	2.80	.....	
Sino-Soviet Bloc <sup>b</sup> .....	174	192	215	267	290	312	341	363	399	422	<i>n a</i>	
USSR.....	18.5	49.8	58.2	75.9	79.5	85.9	96.1	103	115	127	.....	175
North Korea.....	1.70	0.600	1.70	0.900	0.130	0.130	0.300	0.870	1.50	1.70	<i>n a</i>	
European Satellites.....	154	142	155	190	210	226	244	258	283	293	<i>n a</i>	
Albania.....	0.004	0.017	0.022	0.055	0.066	0.098	0.213	0.303	0.397	0.450	<i>n a</i>	
Bulgaria.....	1.94	3.42	4.14	5.44	6.06	7.22	7.74	8.28	9.85	9.96	<i>n a</i>	
Czechoslovakia.....	16.0	19.5	23.6	27.5	30.2	33.3	34.3	37.9	40.8	46.2	<i>n a</i>	
East Germany.....	120	110	110	137	151	158	173	182	201	206	<i>n a</i>	
Hungary.....	8.32	5.63	9.38	11.9	13.7	16.8	19.0	19.1	19.6	18.6	<i>n a</i>	
Poland.....	5.80	1.45	5.04	4.80	4.90	5.10	5.60	5.90	6.04	6.18	<i>n a</i>	
Rumania.....	2.50	1.78	2.80	3.52	4.14	4.62	4.81	5.07	5.58	5.92	<i>n a</i>	

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Canada.....	2.09	2.12	Greece.....	0.782	0.800	Portugal.....	0.089	0.146
Denmark.....	0.761	1.00	Italy.....	0.416	0.400	Turkey <sup>d</sup> .....	1.80	2.08
France.....	2.05	2.26	Netherlands.....	0.256	0.270	West Germany.....	90.3	95.2

## OTHER COUNTRIES

Australia.....	10.3	10.7	Japan.....	1.37	1.52	Spain.....	1.82	1.94
Austria.....	6.62	6.73	New Zealand.....	1.80	1.74	Yugoslavia.....	14.1	15.9

<sup>a</sup> Excluding Belgium, Iceland, Luxembourg, Norway, and the UK.<sup>b</sup> No production in North Vietnam. Negligible production in Communist China is included with hard coal.<sup>c</sup> Prorated from the announced plan figure for total coal.<sup>d</sup> Beginning in 1955, production of state owned mines only, which in 1954 equaled about 80 percent of total production.

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Table 15  
PRODUCTION OF PEAT, 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Thousand Metric Tons	
					1956	
NATO <sup>a</sup> .....	<i>n a</i>	<i>n a</i>	2,620	3,960	<i>n a</i>	
US <sup>b</sup> .....	<i>n a</i>	<i>n a</i>	222	248	<i>n a</i>	
Sino-Soviet Bloc.....	27,400	37,400	48,000	53,600	56,900	
USSR.....	26,300	36,000	45,100	50,800	54,000	
European Satellites.....	1,160	1,400	2,900	2,760	2,900	
Czechoslovakia.....	Negl.	300	500	500	500	
East Germany.....	150	195	350	<i>n a</i>	<i>n a</i>	
Hungary.....	15	8	55	60	<i>n a</i>	
Poland.....	1,000	900	2,000	2,200	2,400	
NATO COUNTRIES						
	1954	1955	1954	1955	1954	1955
Canada <sup>b</sup> .....	90	114	Iceland.....	Negl.	Norway <sup>d e</sup> .....	237
Denmark.....	545	712	Italy.....	1	West Germany <sup>f</sup> ..	250
France <sup>d</sup> .....	80	80	Netherlands.....	450		999
OTHER COUNTRIES						
Finland <sup>d</sup> .....	120	160	Ireland <sup>d</sup> .....	2,740	Sweden <sup>d</sup> .....	250
				3,270		250

<sup>a</sup> Including Canada, Denmark, France, Italy, the Netherlands, Norway, the US, and West Germany.

<sup>b</sup> Agricultural use. In addition, Canada produces a negligible amount of peat for fuel.

<sup>c</sup> 1936.

<sup>d</sup> Fuel only.

<sup>e</sup> In addition, Norway produced 21,000 metric tons for agricultural use each year in 1954 and 1955.

<sup>f</sup> Predominately for agricultural use. The amounts used as fuel were 55,000 metric tons in 1954 and 60,000 metric tons in 1955.

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Table 16  
PRODUCTION OF METALLURGICAL COKE, 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Thousand Metric Tons	
					1955	1956
NATO <sup>a</sup> .....	105,000	119,000	130,000	151,000		153,000
US <sup>b</sup> .....	29,500	52,600	47,900	59,300		57,900
Sino-Soviet Bloc <sup>c</sup> .....	25,800	37,300	57,900	64,000	68,400-69,000	
USSR.....	19,600	27,700	40,300	43,600		47,200
Communist China.....	1,040	1,280	4,500	5,500		5,900
North Korea.....	<i>n a</i>	405	33	154		200
European Satellites.....	5,150	7,890	13,000	14,700	15,100-15,700	
Czechoslovakia.....	2,770	4,880	6,790	7,000		7,300
East Germany.....	280	254	280	480		500
Poland.....	<sup>d</sup> 2,100	2,760	5,960	7,250	7,340-7,860	
NATO COUNTRIES						
	1955	1956		1955	1956	
Belgium.....	6,600	7,270	Italy.....	3,050	3,500	Turkey.....
Canada.....	3,370	<i>n a</i>	Netherlands.....	3,900	4,220	UK.....
France.....	11,100	12,500	Saar.....	4,070	4,250	West Germany....
OTHER COUNTRIES						
Australia.....	2,080	<i>n a</i>	Japan.....	4,510	<i>n a</i>	Union of South
Austria.....	1,450	<i>n a</i>	Spain.....	1,450	<i>n a</i>	Africa.....
India.....	2,640	<i>n a</i>				Yugoslavia.....

<sup>a</sup> Excluding Denmark, Greece, Iceland, Luxembourg, and Portugal; Canada and Turkey (1956). The data include oven and bee hive coke for 1938 and 1950 and exclude breeze for the most part. For 1954-56 the data include coke-oven coke only.

<sup>b</sup> Including coke made by pig iron and steel producers. The 1938 figure includes the by-product of coke-ovens installed in gas works.

<sup>c</sup> No production in North Vietnam, Albania, or Hungary.

<sup>d</sup> 1937.

Table 17

## PRODUCTION OF CRUDE PETROLEUM, 1938, 1946, 1948, 1950-56, AND 1960 PLAN

Thousand Metric Tons

Country	1938	1946	1948	1950	1951	1952	1953	1954	1955	1956	1960 Plan
NATO <sup>b</sup> .....	166,000	236,000	276,000	273,000	313,000	321,000	333,000	330,000	355,000	389,000	.....
US.....	164,000	234,000	273,000	267,000	304,000	309,000	319,000	313,000	336,000	359,000	.....
Sino-Soviet Bloc <sup>c</sup> .....	37,500	27,000	34,200	44,000	49,500	56,600	63,500	71,300	84,200	97,400	n a
USSR.....	30,200	21,700	29,200	37,900	42,300	47,300	52,800	59,300	70,800	83,800	135,000
Communist China <sup>d</sup> .....	3	67	62	110	160	210	320	440	530	660	n a
European Satellites.....	7,300	5,220	4,930	5,960	7,070	9,060	10,400	11,600	12,900	12,900	n a
Albania.....	130	100	80	130	120	140	150	180	210	270	n a
Bulgaria.....	0	0	0	0	0	0	0	80	150	250	n a
Czechoslovakia.....	20	29	30	63	74	110	120	120	130	140	160
East Germany.....	0	0	0	0	0	0	0	0	Negl.	Negl.	n a
Hungary.....	40	670	480	510	500	600	850	1,200	1,600	1,200	n a
Poland.....	510	120	140	160	180	210	190	180	180	180	n a
Rumania.....	6,600	4,300	4,200	5,100	6,200	8,000	9,100	9,800	10,600	10,900	n a

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## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Canada.....	17,400	23,700	Netherlands.....	1,020	1,100	UK.....	56	68
France.....	875	1,260	Turkey.....	179	284	West Germany.....	3,140	3,500
Italy.....	205	330						

## OTHER COUNTRIES

Argentina.....	4,370	4,260	Iran.....	16,000	27,000	Peru.....	2,290	2,520
Austria.....	3,660	3,190	Iraq.....	33,200	31,100	Qatar.....	5,440	5,880
Bahrain.....	1,500	1,510	Japan.....	349	317	Sarawak.....	629	n a
Brunei.....	5,200	n a	Kuwait.....	54,800	54,800	Saudi Arabia.....	47,000	48,200
Burma.....	214	251	Kuwait Neutral Zone.....	1,260	1,600	Trinidad.....	3,560	4,130
Colombia.....	5,500	6,110	Mexico.....	12,800	12,400	Venezuela.....	115,000	132,000
Egypt.....	1,820	1,600	Pakistan.....	276	301	Yugoslavia.....	257	292
Indonesia.....	11,800	12,800						
World Total.....	772,000	839,000						

<sup>a</sup> All figures exclusive of synthetic production.<sup>b</sup> Excluding Belgium, Denmark, Greece, Iceland, Luxembourg, Norway, and Portugal. The 1938 total includes all Germany. Specific gravity varies from 0.82 to 0.94.<sup>c</sup> No production in North Korea or North Vietnam.<sup>d</sup> Synthetic crude oil production for Communist China is as follows: 1950, 90,000; 1951, 140,000; 1952, 226,000; 1953, 300,000; 1954, 350,000; 1955, 450,000; and 1956, 540,000 metric tons.

\* Preliminary.

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Table 18  
DOMESTIC SUPPLY OF CRUDE PETROLEUM,<sup>a</sup> 1950 AND 1954-56

Country	1950	1954	1955	Thousand Metric Tons	
				1956	1956
NATO <sup>b</sup> .....	<sup>n a</sup>	459,000	499,000	541,000	
US.....	290,000	344,000	373,000	403,000	
Sino-Soviet Bloc <sup>c</sup> .....	44,500	72,200	84,500	97,400	
USSR.....	38,000	58,700	69,500	81,900	
Communist China.....	110	640	780	910	
European Satellites.....	6,420	12,900	14,200	14,600	
Albania.....	10	95	87	105	
Bulgaria.....	0	80	28	63	
Czechoslovakia.....	318	305	327	609	
East Germany.....	120	610	658	767	
Hungary.....	510	1,450	1,790	1,400	
Poland.....	360	594	732	864	
Rumania.....	5,100	9,720	10,600	10,800	

## NATO COUNTRIES

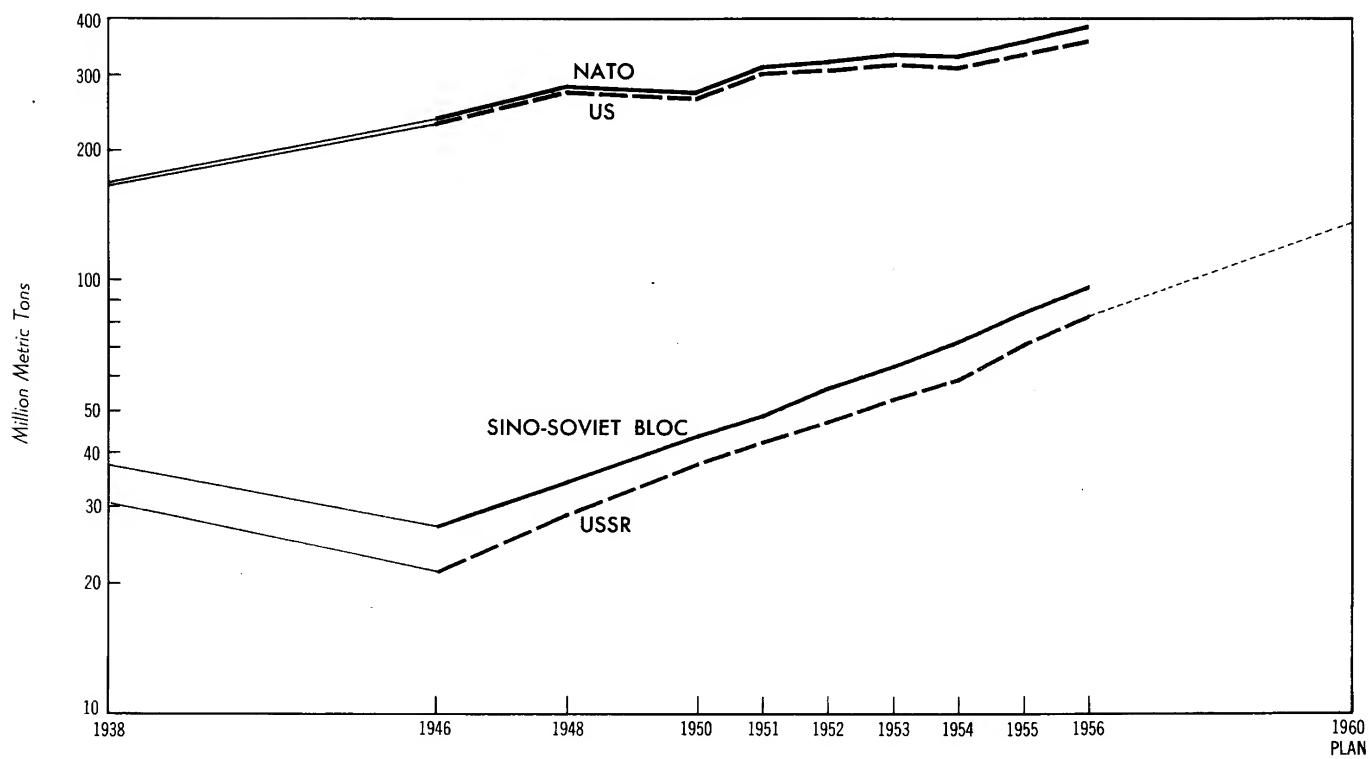
	1955	1956		1955	1956		1955	1956
Belgium.....	4,780	5,650	Italy.....	17,300	18,800	Turkey.....	179	284
Canada.....	27,000	32,200	Netherlands.....	12,500	13,800	UK.....	27,000	27,900
Denmark.....	29	21	Norway.....	93	81	West Germany...	10,300	11,400
France.....	25,200	27,100	Portugal.....	930	930			

<sup>a</sup> Production plus imports minus exports.<sup>b</sup> Excluding Greece, Iceland, and Luxembourg.<sup>c</sup> No production or imports in North Korea in 1950, nor in North Vietnam in 1950 and 1954-56. Information is not available for other years.

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Figure 4

COMPARISON OF PRODUCTION OF CRUDE PETROLEUM  
IN SELECTED AREAS, 1938, 1946, 1948, 1950-56, AND 1960 PLAN



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Table 19  
PRODUCTION OF NATURAL GAS, 1938, 1950, AND 1954-56

Country	Thousand Metric Tons				
	1938	1950	1954	1955	1956
NATO *	52,800	145,000	220,000	247,000	n a
US.....	52,000	142,000	<sup>b</sup> 214,000	<sup>b</sup> 240,000	<sup>b</sup> 260,000
Sino-Soviet Bloc <sup>c</sup> .....	4,140	6,510	9,300	10,600	14,100
USSR.....	1,880	3,710 <sup>4,000</sup>	4,580 <sup>5,400</sup>	5,490 <sup>6,200</sup>	7,900 <sup>9,500</sup>
European Satellites.....	2,260	2,800	4,720	5,070	6,200
Bulgaria.....	0	0	Negl.	Negl.	Negl.
Czechoslovakia.....	Negl.	26	120	123	155
East Germany.....	0	0	10	10	40
Hungary.....	0	140	210	230	240
Poland.....	460	140	280	310	320
Rumania.....	1,800	2,500	4,100	4,400	5,400
NATO COUNTRIES					
1955	1956		1955	1956	
Canada.....	3,250	n a	Italy.....	2,900	3,570
France.....	223	264	West Germany.....		192
OTHER COUNTRIES					
Austria.....	59.9	n a	Japan.....	124	141
Indonesia <sup>d</sup> .....	1,530	n a	Mexico <sup>d</sup> .....	2,730	n a
			Venezuela.....	2,200	n a
			Yugoslavia.....	44.1	52.4

\* Including Canada, France, Italy, the US, and West Germany. Data for the most part refer to natural gas actually collected and utilized as fuel or raw material; converted by multiplying million cubic meters by 0.8.

<sup>b</sup> Derived on the basis of 59 percent of total production.

<sup>c</sup> No production in North Korea, North Vietnam, or Albania.

<sup>d</sup> Total production, including gas for repressuring and gas wasted.

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Table 20  
PRODUCTION OF PETROLEUM PRODUCTS,\* 1938, 1950, AND 1954-56

Country	1938	1950	1954	Thousand Metric Tons	
				1955	1956
NATO <sup>b</sup> .....	176,000	323,000	442,000	474,000	503,000
US.....	158,000	287,000	336,000	358,000	377,000
Sino-Soviet Bloc <sup>d</sup> .....	n a	41,300	68,100	80,000	92,300
USSR <sup>e</sup> .....	n a	34,100	53,700	64,400	76,300
Communist China.....	111	170	852	1,060	1,240
European Satellites.....	6,170	7,050	13,600	14,500	14,800
Albania <sup>f</sup> .....	0	20	60	60	100
Bulgaria.....	30	0	0	30	50
Czechoslovakia.....	n a	540	770	810	910
East Germany.....	n a	1,300	2,200	2,100	2,200
Hungary.....	240	510	1,400	1,700	1,300
Poland.....	n a	280	670	740	850
Rumania.....	5,900	4,400	8,500	9,100	9,400

## NATO COUNTRIES

	1955	° 1956		1955	° 1956		1955	° 1956
✓ Belgium.....	4,380	5,800	✓ Italy.....	16,100	17,200	Turkey.....	73	77
✓ Canada <sup>g</sup> .....	24,100	27,100	✓ Netherlands.....	11,900	13,500	✓ UK.....	25,200	26,200
Denmark.....	8	6	Norway.....	56	n a	✓ West Germany...	9,920	11,000
✓ France.....	23,000	24,400	✓ Portugal.....	828	870			

## OTHER COUNTRIES

Austria.....	2,160	2,110	Sweden.....	1,920	1,780
World Total.....	641,000	n a			

\* Data in this table are not intended to be totals of the data in Tables 21 through 26 of individual petroleum products, because this table includes minor miscellaneous products which are not included in any of the following tables. Synthetic products or substitute fuels are included in Bloc data but are excluded in NATO data. For further detail on synthetics in the NATO countries, see the following footnote.

<sup>b</sup> Excluding Greece, Iceland, and Luxembourg. Data refer to total production less consumption at the refineries. Synthetic products or substitute fuels are excluded, amounting in 1953 to 1.33 million tons in the European NATO countries, or a relatively small percent of their total production.

<sup>c</sup> Annual production based on the January-June rate; excluding Norway.

<sup>d</sup> No production in North Vietnam. Synthetic production is included in the data for the USSR, Communist China, Czechoslovakia, East Germany, and Poland.

<sup>e</sup> Total nongaseous petroleum products.

<sup>f</sup> Including refined bitumen.

<sup>g</sup> Including asphalt.

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Table 21  
DOMESTIC DEMAND FOR PETROLEUM PRODUCTS,<sup>a</sup> 1950 AND 1954-56

Thousand Metric Tons

Country	1950	1954	1955	1956
NATO <sup>b</sup> .....	<sup>n a</sup>	451,000	470,000	570,000
US.....	325,000	335,000	359,000	443,000
Sino-Soviet Bloc.....	42,900	63,900	75,600	88,400
USSR.....	36,300	55,300	65,400	76,700
Communist China.....	370	1,650	2,060	3,740
European Satellites.....	6,240	6,920	8,110	8,000
Albania.....	80	100	110	151
Bulgaria.....	200	322	354	395
Czechoslovakia.....	735	910	960	1,030
East Germany.....	945	1,660	1,710	1,750
Hungary.....	384	1,090	1,360	1,090
Poland.....	580	1,370	1,450	1,420
Rumania.....	3,320	1,470	2,170	2,170

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium.....	4,250	5,300	Iceland.....	278	350	Portugal.....	1,190	1,200
Canada.....	27,400	33,600	Italy.....	10,400	13,800	Turkey.....	1,280	1,070
Denmark.....	3,050	3,800	Netherlands.....	5,740	7,850	UK.....	25,500	24,800
France.....	17,000	22,100	Norway.....	2,590	2,800	West Germany...	11,000	8,740
Greece.....	1,450	1,600						

<sup>a</sup> Refinery output plus imports minus exports.<sup>b</sup> Excluding Luxembourg.<sup>n a</sup> Estimated.

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Table 22  
PRODUCTION OF GASOLINE,<sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Thousand Metric Tons			
					1956	1956		
NATO <sup>b</sup> .....	67,700	120,000	160,000	172,000	197,000	197,000		
US.....	60,700	106,000	131,000	142,000	165,000	165,000		
Sino-Soviet Bloc <sup>d</sup> .....	n a	9,690	17,800	20,600	24,500	24,500		
USSR.....	n a	7,300	13,400	15,900	19,900	19,900		
Communist China.....	15	46	217	240	220	220		
European Satellites.....	1,590	2,340	4,190	4,460	4,390	4,390		
Albania.....	0	Negl.	10	10	10	10		
Bulgaria.....	10	0	0	0	0	0		
Czechoslovakia.....	n a	160	200	210	240	240		
East Germany.....	n a	480	770	740	710	710		
Hungary.....	80	200	340	400	210	210		
Poland.....	n a	100	170	200	220	220		
Rumania.....	1,500	1,400	2,700	2,900	3,000	3,000		
NATO COUNTRIES								
	1955	1956 <sup>c</sup>		1955	1956 <sup>c</sup>			
Belgium.....	924	1,200	Italy.....	2,720	2,940	UK.....	6,980	6,840
Canada.....	8,850	10,200	Netherlands.....	2,380	2,780	West Germany....	2,810	2,880
France.....	5,130	5,290	Portugal.....	217	224			
OTHER COUNTRIES								
Austria.....	279	n a	Mexico.....	1,880	n a	Spain.....	423	n a
Bahrein.....	2,210	n a	Netherlands An-	4,480	n a	Sweden.....	204	215
Indonesia.....	2,570	n a	tilles.			Venezuela.....	3,090	3,490
Japan.....	2,180		Saudi Arabia.....	1,300	n a			
World Total <sup>e</sup> .....	257,000	n a						

<sup>a</sup> Including motor and aviation gasoline.<sup>b</sup> Excluding Denmark, Greece, Iceland, Luxembourg, Norway, and Turkey. The 1938 total includes all Germany. Data refer to motor spirit (gas), including aviation gas, used almost entirely as motor fuel, and commonly called gasoline or petrol.<sup>c</sup> Yearly rate based on January-June production.<sup>d</sup> No production in North Vietnam. Synthetic production of gasoline is included in the data for the USSR, Communist China, Albania, Bulgaria, Czechoslovakia, East Germany, and Poland.<sup>e</sup> Excluding the USSR, Eastern Europe, India, and Communist China.

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ENERGY AND FUELS

Table 23  
PRODUCTION OF DIESEL FUEL, 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Thousand Metric Tons	
					1956	
NATO <sup>a</sup> .....	<i>n a</i>	<i>n a</i>	97,600	109,000	<sup>b</sup> 121,000	
US.....	16,000	54,100	74,300	82,600	90,900	
Sino-Soviet Bloc <sup>c</sup> .....	<i>n a</i>	4,920	11,400	13,700	17,000	
USSR.....	<i>n a</i>	3,600	8,700	10,900	14,100	
Communist China.....	5	7	38	48	60	
European Satellites.....	940	1,310	2,560	2,720	2,850	
Albania.....	0	Negl.	10	10	20	
Bulgaria.....	Negl.	0	0	10	10	
Czechoslovakia.....	<i>n a</i>	150	210	220	280	
East Germany.....	<i>n a</i>	410	740	710	840	
Hungary.....	80	100	350	410	320	
Poland.....	<i>n a</i>	60	150	160	180	
Rumania.....	860	590	1,100	1,200	1,200	

## NATO COUNTRIES

	1955	1956 <sup>b</sup>		1955	1956 <sup>b</sup>		1955	1956 <sup>b</sup>
Belgium.....	1,160	1,560	Italy.....	3,590	3,810	Turkey.....	5	<i>n a</i>
Canada.....	6,120	7,690	Netherlands.....	2,670	2,780	UK.....	4,660	5,160
Denmark.....	6	5	Norway.....	20	22	West Germany.....	2,900	3,060
France.....	5,240	5,620	Portugal.....	133	148			

## OTHER COUNTRIES

Austria.....	580	545	Sweden.....	424	418
--------------	-----	-----	-------------	-----	-----

<sup>a</sup> Excluding Greece, Iceland, and Luxembourg; Turkey (1956).<sup>b</sup> Annual figure based on January-June production.<sup>c</sup> No production in North Vietnam. Synthetic production of diesel fuel is included in the data for the USSR, Communist China, Czechoslovakia, East Germany, and Poland.

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## ENERGY AND FUELS

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Table 24  
PRODUCTION OF KEROSENE, 1938, 1950, AND 1954-56

Country	1938	1950	1954	Thousand Metric Tons	
				1955	1956
NATO *	9,310	17,400	27,300	28,700	32,600
US.....	8,320	15,300	21,600	22,500	25,500
Sino-Soviet Bloc <sup>b</sup> .....	<i>n a</i>	7,130	9,980	12,700	13,700
USSR.....	<i>n a</i>	6,300	8,400	10,900	11,800
Communist China.....	5	12	78	101	130
European Satellites.....	1,180	820	1,500	1,680	1,780
Albania.....	0	Negl.	Negl.	Negl.	Negl.
Bulgaria.....	10	0	0	0	0
Czechoslovakia.....	<i>n a</i>	50	60	60	70
East Germany.....	<i>n a</i>	10	70	110	150
Hungary.....	70	80	140	170	110
Poland.....	<i>n a</i>	40	30	40	50
Rumania.....	1,100	640	1,200	1,300	1,400

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium.....	166	313	Italy.....	1,110	1,190	Turkey.....	8	1
Canada.....	1,910	1,870	Netherlands.....	747	755	UK.....	954	2,120
France.....	919	413	Portugal.....	178	158	West Germany.....	168	233

## OTHER COUNTRIES

Austria.....	174	<i>n a</i>	Mexico.....	888	<i>n a</i>	Spain.....	68	<i>n a</i>
Bahrein.....	841	<i>n a</i>	Netherlands An- tilles.....	2,940	<i>n a</i>	Sweden.....	132	<i>n a</i>
Indonesia.....	1,640	<i>n a</i>	Saudi Arabia.....	989	<i>n a</i>	Venezuela.....	984	<i>n a</i>
Japan.....	527	<i>n a</i>				Yugoslavia.....	248	<i>n a</i>

\* Excluding Denmark, Greece, Iceland, Luxembourg and Norway. The 1938 total includes all Germany (1937). Data refer chiefly to illuminating oil and power kerosene, including white gas, tractor blends, jet fuel, and the like.

<sup>b</sup> No production in North Vietnam. Synthetic production of kerosene is included in the data for the USSR, Communist China, Czechoslovakia, East Germany, and Poland.

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ENERGY AND FUELS

Table 25  
PRODUCTION OF LUBRICATING OILS, 1938, 1950, AND 1954-56

Country	1938	1950	1954	Thousand Metric Tons	
				1955	1956
NATO <sup>a</sup> .....	5,320	9,060	9,480	10,000	11,000
US.....	4,410	7,400	7,620	7,990	8,460
Sino-Soviet Bloc <sup>b</sup> .....	<i>n a</i>	2,060	2,980	3,470	4,030
USSR.....	<i>n a</i>	1,700	2,300	2,700	3,200
Communist China.....	Negl.	5	30	35	33
European Satellites.....	70	360	650	740	800
Albania.....	0	Negl.	Negl.	Negl.	Negl.
Bulgaria.....	0	0	0	10	10
Czechoslovakia.....	<i>n a</i>	70	140	150	150
East Germany.....	<i>n a</i>	100	120	150	200
Hungary.....	10	10	60	70	60
Poland.....	<i>n a</i>	30	50	60	70
Rumania.....	60	150	280	300	310
NATO COUNTRIES					
	1955	1956		1955	1956
Belgium.....	16.9	21	France.....	484	595
Canada.....	258	330	Italy <sup>c</sup> .....	148	163
Denmark.....	3.1	<i>n a</i>	Netherlands.....	68	231
OTHER COUNTRIES					
Japan.....	330	389	Venezuela.....	143	167
Sweden.....	24	10	Netherlands Antilles..	646	362
World Total <sup>d</sup> .....	11,600	<i>n a</i>			

<sup>a</sup> Excluding Greece, Iceland, Luxembourg, Norway, Portugal, and Turkey. Data refer to lubricating oils made at refineries and in the lubricating oil industry. Solid lubricants are excluded.

<sup>b</sup> No production in North Vietnam. Synthetic production of lubricating oils is included in the data for Communist China and East Germany.

<sup>c</sup> Excluding quantities used at refineries or lost.

<sup>d</sup> Excluding USSR, Eastern Europe, India, and Communist China.

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Table 26  
PRODUCTION OF RESIDUALS AND OTHERS, 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Thousand Metric Tons	
					1956	1956
NATO <sup>a</sup> .....	50,200	84,600	111,000	113,000	116,000	
US.....	44,500	64,200	62,900	63,500	63,300	
Sino-Soviet Bloc <sup>b</sup> .....	2,490	16,400	25,400	29,100	32,800	
USSR.....	<i>n a</i>	14,200	20,300	23,600	27,300	
Communist China <sup>c</sup> .....	80	100	500	635	620	
European Satellites.....	2,410	2,220	4,600	4,850	4,930	
Albania.....	0	20	40	40	60	
Bulgaria.....	10	0	0	10	20	
Czechoslovakia.....	<i>n a</i>	110	160	170	170	
East Germany.....	<i>n a</i>	320	460	400	400	
Hungary.....	<i>n a</i>	120	550	650	560	
Poland.....	<i>n a</i>	50	290	280	320	
Rumania.....	2,400	1,600	3,100	3,300	3,400	

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium.....	1,720	2,730	Italy <sup>d</sup> .....	7,770	9,560	UK.....	12,600	12,000
Canada.....	5,840	7,100	Netherlands <sup>e</sup> ....	7,980	7,220	West Germany...	1,920	2,420
France.....	11,200	11,500	Portugal.....		326			

## OTHER COUNTRIES

Argentina.....	3,720	<i>n a</i>	Indonesia.....	3,680	<i>n a</i>	Saudi Arabia.....	5,350	<i>n a</i>
Austria.....	1,030	<i>n a</i>	Japan.....	3,270	<i>n a</i>	Spain.....	1,050	<i>n a</i>
Australia.....	1,850	<i>n a</i>	Mexico.....	7,220	<i>n a</i>	Venezuela.....	15,800	<i>n a</i>
Bahrein.....	4,050	<i>n a</i>	Netherlands An-			Yugoslavia.....	267	<i>n a</i>
Egypt.....	1,560	<i>n a</i>	tilles.....	23,200	<i>n a</i>			
World Total <sup>f</sup> .....	198,000	<i>n a</i>						

<sup>a</sup> Excluding Denmark, Greece, Iceland, Luxembourg, Norway, and Turkey. The 1938 total includes all Germany. Data refer to residual fuel oils only, excluding road oil and special products. Data for the Netherlands in all years and for Germany in 1938 include distillate fuel oils.

<sup>b</sup> No production in North Vietnam. Synthetic production of residuals and others is included in the data for the USSR, Communist China, and East Germany.

<sup>c</sup> Excluding residuals manufactured from imported crude oil.

<sup>d</sup> Including diesel oil; excluding quantities used at refineries and lost.

<sup>e</sup> Excluding quantities used at refineries and lost.

<sup>f</sup> Excluding USSR, Eastern Europe, India, and Communist China.

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## MINERALS AND METALS

Table 27  
PRODUCTION OF IRON ORE, 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Thousand Metric Tons	
					1956	1956
NATO <sup>a</sup> .....	92,600	160,000	164,000	210,000	212,000	
US.....	28,900	99,600	<sup>b</sup> 79,200	<sup>b</sup> 107,000	<sup>b</sup> 98,300	
Sino-Soviet Bloc <sup>c</sup> .....	32,900	46,200	78,400	89,500	98,100	
USSR.....	26,500 <sup>d</sup> 26,600	39,700	64,300	71,900	78,000	
Communist China.....	3,280	2,080	8,410	10,600	12,700	
North Korea.....	<sup>n a</sup>	820	2	480	830	
North Vietnam.....	Negl.	Negl.	Negl.	Negl.	Negl.	
European Satellites.....	3,160	3,640	5,740	6,550	6,580	
Bulgaria.....	17	27	77	92	230	
Czechoslovakia.....	1,650	1,660	1,680	1,990	2,100	
East Germany.....	<sup>d</sup> 200	410	1,470	1,660	1,600	
Hungary.....	279	369	428	353	350	
Poland.....	<sup>e</sup> 872	790	1,570	1,860	1,640	
Rumania.....	139	392	510	600	654	

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium.....	106	144	Luxembourg.....	7,200	7,620	Turkey.....	427	461
Canada <sup>f</sup> .....	14,900	20,000	Norway <sup>g</sup> .....	1,380	1,700	UK.....	16,500	16,600
France.....	50,300	52,700	Portugal.....	168	234	West Germany...	11,400	12,200
Italy.....	1,380	1,670						

## OTHER COUNTRIES

Algeria.....	3,600	<sup>n a</sup>	Japan <sup>h</sup> .....	1,560	1,910	Venezuela.....	8,300	11,000
Austria.....	2,840	<sup>n a</sup>	Spain.....	3,890	4,340	Yugoslavia.....	1,400	1,720
India.....	4,330	4,270	Sweden.....	17,100	19,100			

<sup>a</sup> Excluding Denmark, Greece, Iceland, and the Netherlands. Data refer to the gross amount of marketable iron ores in the state in which they leave the mines, including manganiferous ores but excluding pyrites. Metal content of ore in the NATO countries and other Free World countries are as follows: Belgium, 35 percent; Canada, 55 percent; France, 35 percent; Italy, 50 percent; Luxembourg, 30 percent; Norway, 65 percent; Portugal, 50 percent; Turkey, 65 percent; UK, 30 percent; West Germany, 30 percent; the US, 50 percent; Algeria, 55 percent; Austria, 30 percent; India, 65 percent; Japan, 55 percent; Spain, 50 percent; Sweden, 60 percent; Venezuela, 65 percent; and Yugoslavia, 45 percent.

<sup>b</sup> Excluding manganiferous ores containing 5 percent or more of manganese.

<sup>c</sup> No production in Albania.

<sup>d</sup> 1939.

<sup>e</sup> 1937.

<sup>f</sup> Shipments.

<sup>g</sup> Including ferro-titanium.

<sup>h</sup> Including iron sand.

## MINERALS AND METALS

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Table 28  
PRODUCTION OF MANGANESE ORE \* 1938, 1950, AND 1954-56

Thousand Metric Tons

Country	1938	1950	1954	1955	1956
NATO <sup>b</sup> .....	<i>n a</i>	157	313	397	<i>n a</i>
US <sup>c</sup> .....	<i>n a</i>	122	187	262	<i>n a</i>
Sino-Soviet Bloc <sup>d</sup> .....	2,510	3,790	5,440	5,780	<i>n a</i>
USSR.....	2,270	3,380	3,460	4,590	4,390
Communist China.....	23	70	169	196	280
European Satellites.....	210	341	679	845	625
Bulgaria.....	• 2	11	35	45	97.6
Czechoslovakia.....	105	170	300	300	<i>n a</i>
Hungary.....	43	66.6	71	110	110
Rumania.....	60	93	273	390	417

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
France.....	1.02	<i>n a</i>	Italy.....	48.8	56.6	Turkey.....	49.8	50.1
Greece.....	17.0	24.6	Portugal.....	9.64	3.98			

## OTHER COUNTRIES

Angola.....	31.6	31.6	French Morocco.....	400	411	Spain.....	35.8	42.5
Belgian Congo.....	385	462	India.....	1,440	1,600	Gold Coast <sup>h</sup> .....	468	548
Brazil.....	163	213	Japan.....	163	202	Union of South Africa.....	701	589
Cuba <sup>e</sup> .....	266	172	Mexico.....	274	116	Yugoslavia.....	9.2	11
Egypt <sup>f</sup> .....	178	216						
World Total.....	10,800	11,900						

\* Metal content of ore of the various countries is as follows: the US 50 to 60 percent; the USSR, believed to be 35 percent; Communist China, 35 percent; Bulgaria, 20-30 percent; Czechoslovakia, 17 percent; Hungary, 40 percent; Rumania, 13-40 percent (depending on the area in which it is mined); Italy, Portugal, and Turkey, 30 percent (with exception of 1954 Portugal percentage, which was 42 percent); other Free World countries, about 50 percent.

<sup>b</sup> Including France (except 1955), Greece, Italy, Portugal, Turkey, and the US.

<sup>c</sup> Shipments; excluding the quantities of ore containing 10 to 35 percent manganese.

<sup>d</sup> No production in North Vietnam, Albania, East Germany, or Poland.

<sup>e</sup> 1939.

<sup>f</sup> Ore containing 30 percent manganese and 10 percent iron.

<sup>g</sup> Concentrates.

<sup>h</sup> Exports.

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MINERALS AND METALS

Table 29  
PRODUCTION OF PIG IRON, 1938, 1946, 1948, 1950-56, AND 1960 PLAN

Thousand Metric Tons

Country	1938	1946	1948	1950	1951	1952	1953	1954	1955	1956	Plan 1960
NATO *	53,500	61,300	88,100	98,900	101,000	107,000	116,000	102,000	128,000	131,000	.....
US	19,500	42,000	56,200	60,200	65,700	57,500	70,000	53,800	70,600	68,900	.....
Sino-Soviet Bloc <sup>b</sup>	18,400	11,700	17,400	24,900	28,200	32,800	37,000	41,000	46,100	50,400	n a
USSR	14,700	9,900	13,700	19,200	21,900	25,100	27,400	30,000	33,300	35,800	53,000
Communist China	970	1.3	24.6	960	1,400	1,900	2,180	2,960	3,630	4,630	n a
North Korea	n a	3.1	99.6	190	Negl.	Negl.	0	112	181	181	n a
European Satellites	2,740	1,750	3,550	4,580	4,890	5,770	7,380	8,020	9,040	9,820	n a
Czechoslovakia	1,320	960	1,640	1,950	2,060	2,310	2,780	2,790	2,980	3,300	4,780
East Germany	232	n a	182	337	342	659	1,080	1,320	1,520	1,570	1,850
Hungary	335	n a	400	443	524	579	705	820	855	850	n a
Poland	720	726	1,130	1,530	1,620	1,840	2,360	2,660	3,110	3,510	n a
Rumania	133	66	191	320	350	390	456	432	575	586	1,150
NATO COUNTRIES											
	1955	1956				1955	1956			1955	1956
Belgium	5,390	5,760	Italy	.....	.....	1,730	1,990	Saar	.....	2,880	3,040
Canada	3,070	3,460	Luxembourg	.....	.....	3,080	3,310	Turkey	.....	200	270
Denmark	54	56	Netherlands	.....	.....	671	661	UK <sup>c</sup>	.....	12,700	13,400
France	11,100	11,700	Norway	.....	.....	334	446	West Germany	.....	16,600	17,700
OTHER COUNTRIES											
Australia	1,900	2,110	India	.....	.....	1,920	n a	Sweden <sup>e</sup>	.....	1,180	1,330
Austria	1,500	n a	Japan	.....	.....	5,420	6,280	Union of South Africa	.....	1,300	1,360
Brazil <sup>d</sup>	1,090	n a	Spain	.....	.....	995	n a	Yugoslavia	.....	530	644
Finland	115	103									
World Total <sup>f</sup>	156,000	n a									

\* Excluding Greece, Iceland, and Portugal. The 1938 total includes 1936 production in West Germany and 1939 production in Turkey. Unless otherwise noted, data refer to the total production of pig iron and ferroalloys.

<sup>b</sup> No production in North Vietnam, Albania, or Bulgaria. The plan for economic development of Bulgaria calls for production of 85,000 tons in 1960.

<sup>c</sup> 1937.

<sup>d</sup> Excluding ferroalloys produced in electric furnaces.

<sup>e</sup> Excluding ferroalloys.

<sup>f</sup> Preliminary; excluding USSR.

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Table 30  
PRODUCTION OF CRUDE STEEL,\* 1938, 1946, 1948, 1950-56, AND 1960 PLAN

Country	1938	1946	1948	1950	1951	1952	1953	1954	1955	1956	1960 Plan
NATO <sup>b</sup> .....	73,500	87,800	122,000	140,000	153,000	147,000	163,000	146,000	184,000	186,000	.....
US.....	28,800	60,400	80,400	87,800	95,400	84,500	101,000	80,100	106,000	105,000	.....
Sino-Soviet Bloc <sup>c</sup> .....	24,600	16,900	24,700	36,300	42,000	46,900	52,300	56,500	62,200	68,100	n a
USSR.....	18,100	13,300	18,600	27,300	31,400	34,500	38,100	41,400	45,300	48,600	68,300
Communist China.....	485	7.5	11	605	890	1,350	1,970	2,220	2,850	4,350	n a
North Korea.....	n a	5	116	144	n a	n a	4	54	135	181	n a
European Satellites.....	5,990	3,620	6,000	8,260	9,750	11,000	12,500	12,800	13,900	15,000	n a
Bulgaria.....	21	26	26	26	26	40	63	137	142	165	250
Czechoslovakia.....	1,870	1,620	2,620	3,120	3,460	3,750	4,370	4,270	4,470	4,900	6,540
East Germany.....	1,700	n a	305	999	1,550	1,890	2,160	2,330	2,510	2,740	3,500
Hungary.....	647	d 600	750	1,050	1,290	1,460	1,540	1,490	1,630	1,400	n a
Poland.....	* 1,470	1,220	1,960	2,520	2,790	3,180	3,600	3,950	4,430	5,010	n a
Rumania.....	284	157	340	555	644	695	716	627	765	780	1,700

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium.....	5,900	5,840	Italy.....	5,400	5,940	Saar.....	3,170	3,370
Canada.....	4,100	4,570	Luxembourg.....	3,230	3,460	Turkey.....	188	192
Denmark.....	237	240	Netherlands.....	973	1,040	UK.....	20,100	21,100
France.....	12,600	13,400	Norway.....	166	287	West Germany.....	21,300	22,600

## OTHER COUNTRIES

Australia.....	2,240	2,640	India.....	1,730	1,760	Sweden.....	2,150	2,420
Austria.....	1,820	2,050	Japan.....	9,410	11,100	Union of South Africa.....	1,580	1,610
Finland.....	187	197	Spain.....	1,210	1,240	Yugoslavia.....	805	887

\* Unless otherwise noted, data refer to total production of ingots and steel for castings.

b Excluding Greece, Iceland, and Portugal. The 1938 total includes 1940 production in Turkey. The 1946 total includes finished castings for West Germany.

c No production in North Vietnam or Albania.

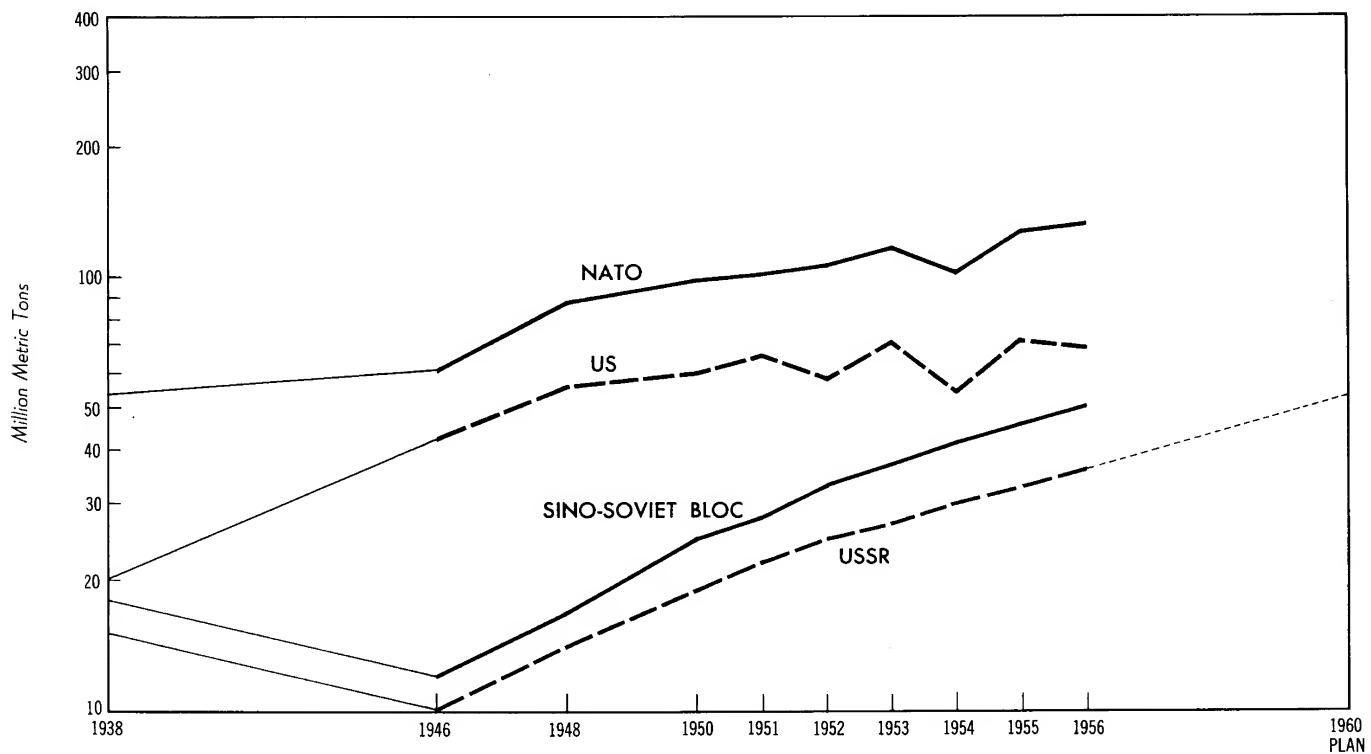
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Figure 5

COMPARISON OF PRODUCTION OF PIG IRON  
IN SELECTED AREAS, 1938, 1946, 1948, 1950-56, AND 1960 PLAN



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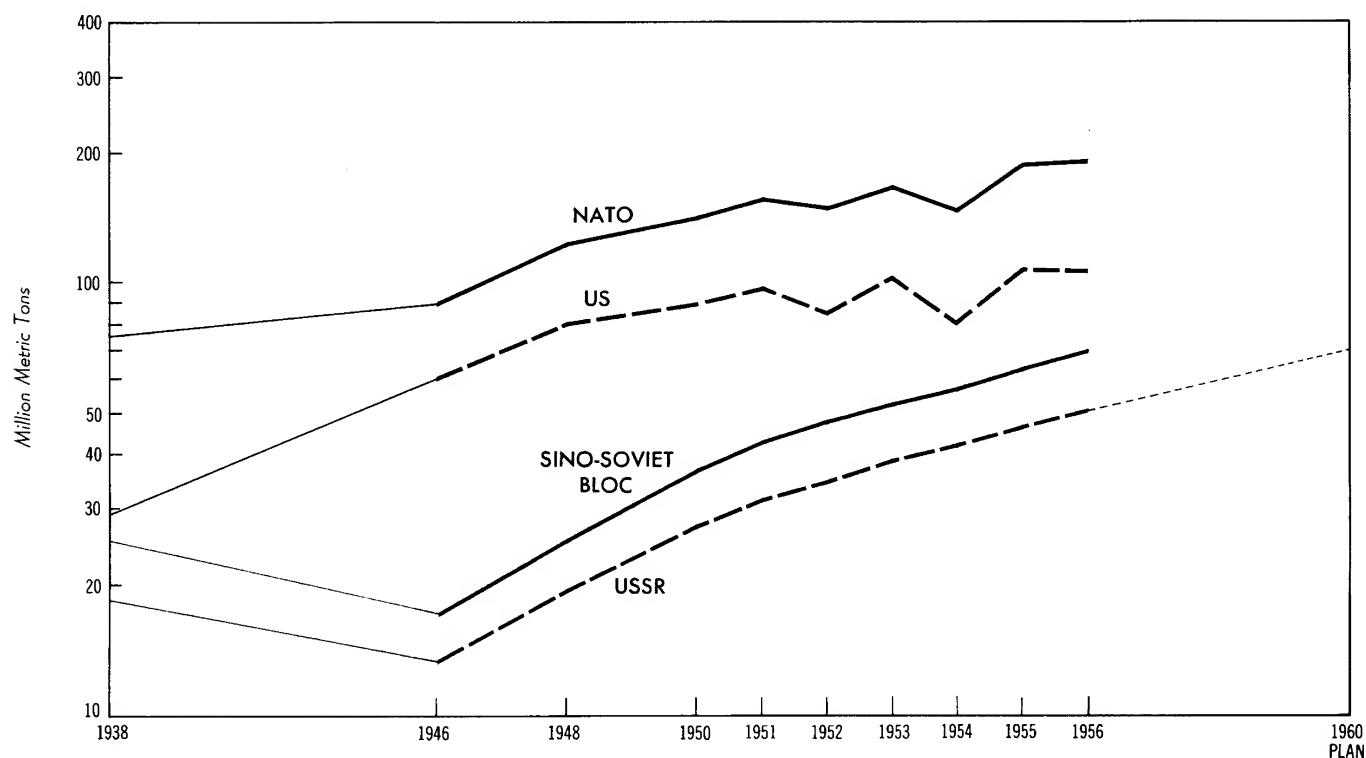
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Figure 6

COMPARISON OF PRODUCTION OF CRUDE STEEL  
IN SELECTED AREAS, 1938, 1946, 1948, 1950-56, AND 1960 PLAN



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MINERALS AND METALS

Table 31  
PRODUCTION OF CHROME,<sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Thousand Metric Tons	
					1956	
NATO <sup>b</sup> .....	<i>n a</i>	204	328	376	<i>n a</i>	
US.....	<i>n a</i>	0.15	56.9	55.7	<i>n a</i>	
Sino-Soviet Bloc <sup>c</sup> .....	86.6	434	421	457	<i>n a</i>	
USSR.....	86.6	399	346	352	<i>n a</i>	
European Satellites.....	<i>n a</i>	34.7	74.4	105	65.3	
Albania.....	<i>n a</i>	26.6	43.2	56.7	60.8	
Bulgaria.....	<i>n a</i>	4.5	4.5	4.5	4.5	
Rumania.....	<i>n a</i>	3.6	26.7	44.1	<i>n a</i>	

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Greece.....	12	11	Turkey.....	259	309			

## OTHER COUNTRIES

India.....	22.1	34.5	Pakistan.....	10.7	13.6	Southern Rhodesia.....	193	195
Japan.....	11.6	9.3	Philippines.....	160	209	Union of South Africa...	289	244
New Caledonia.....	44.2	24.7						

<sup>a</sup> Data refer to estimated chromic oxide (Cr<sub>2</sub>O<sub>3</sub>) content of ores mined. The following percentages were used to reduce Bloc estimates of ores mined to their Cr<sub>2</sub>O<sub>3</sub> content: USSR, a portion at 35 percent and the rest at 48 percent; Albania, Bulgaria, and Rumania, at 45 percent.

<sup>b</sup> Including Greece, Turkey, and the US.

<sup>c</sup> No production in countries of the Sino-Soviet Bloc which are not listed.

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Table 32  
PRODUCTION OF TUNGSTEN,<sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Metric Tons	
					1956	1956
NATO <sup>b</sup> .....	3,660	4,410	12,000	12,500		<i>n a</i>
US.....	1,600	2,270	7,510	8,000		<i>n a</i>
Sino-Soviet Bloc <sup>c</sup> .....	10,200	10,800	17,800	19,500	21,100	
USSR.....	300 <del>500</del>	2,700 <del>4,500</del>	4,140 <del>4,900</del>	4,500 <del>7,500</del>	5,000	<del>8,400</del>
Communist China.....	9,600	7,480	12,900	13,900	15,000	
North Korea.....	<i>n a</i>	576	696	990	990	
North Vietnam.....	332	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	
European Satellites.....	0	0	92	100	100	
East Germany.....	0	0	92	100	100	
NATO COUNTRIES						
	1954	1955		1954	1955	
Canada <sup>d</sup> .....	985	1,040	Italy.....	21	16	UK.....
France.....	614	660	Portugal <sup>e</sup> .....	2,760	2,790	55
OTHER COUNTRIES						
Australia <sup>f</sup> .....	1,390	1,510	Burma <sup>g</sup> .....	718	1,090	Spain <sup>h</sup> .....
Belgian Congo <sup>h</sup> .....	891	942	Mexico.....	327	341	Sweden.....
Bolivia <sup>i</sup> .....	2,670	3,230	South Korea.....	2,490	2,040	Thailand.....
Brazil <sup>j</sup> .....	793	583				718
World Total <sup>k</sup> .....	39,700	39,800				745

<sup>a</sup> Data refer to estimated tungsten trioxide (WO<sub>3</sub>) content of ores or concentrates mined unless otherwise noted.

<sup>b</sup> Including Canada, France, Italy, Portugal, the UK, and the US.

<sup>c</sup> No production in Albania, Bulgaria, Czechoslovakia, Hungary, Poland, or Rumania.

<sup>d</sup> Shipments, chiefly scheelite.

<sup>e</sup> WO<sub>3</sub> content in scheelite, wolframite, and tin-tungsten ores.

<sup>f</sup> WO<sub>3</sub> content in scheelite and wolframite.

<sup>g</sup> WO<sub>3</sub> content in scheelite.

<sup>h</sup> WO<sub>3</sub> content in concentrates and tin-tungsten ore.

<sup>i</sup> WO<sub>3</sub> content in tungsten concentrates and tin-tungsten concentrates.

<sup>j</sup> Exports.

<sup>k</sup> Excluding USSR.

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Table 33  
PRODUCTION OF NICKEL, 1938, 1950, AND  
1954-55

Country	Metric Tons			
	1938	1950	1954	1955
NATO <sup>a</sup> .....	95,900	113,000	149,000	163,000
US.....	380	<sup>b</sup> 828	2,400	4,410
Sino-Soviet Bloc <sup>c</sup> ...	3,510	29,400	37,600	40,700
USSR.....	3,000	29,000	37,000	40,000
European Satellites.....	513	448	630	680
East Germany <sup>d</sup> .....	<i>n a</i>	92	130	130
Poland.....	513	356	500	0

NATO COUNTRIES		1954	1955
Canada <sup>e</sup> .....		146,000	159,000
OTHER COUNTRIES			
Cuba <sup>f</sup> .....		13,100	13,700
Finland <sup>g</sup> .....		170	181
New Caledonia <sup>h</sup> .....		1,370	2,450
Union of South Africa <sup>b</sup> .....		1,920	2,360

<sup>a</sup> Including Canada and the US only.

<sup>b</sup> Data refer chiefly to by-product in electrolytic refining of copper.

<sup>c</sup> No production in Communist China, North Vietnam, Albania, Bulgaria, Czechoslovakia, East Germany, Hungary, or Poland.

<sup>d</sup> Production in 1950 from imported ores; in 1954-55 from ore stocks and scrap.

<sup>e</sup> Production in all forms from Canadian ores.

<sup>f</sup> Nickel content and small fraction of cobalt in oxide.

<sup>g</sup> Nickel content of ore.

<sup>h</sup> Produced from matte.

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## MINERALS AND METALS

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Table 34  
PRODUCTION OF MOLYBDENUM,<sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Metric Tons 1956
NATO <sup>b</sup> .....	15,600	13,000	27,000	28,500	n a
US.....	15,100	12,900	26,600	28,000	n a
Sino-Soviet Bloc <sup>d</sup> .....	n a	3,220	4,820	5,000	n a
USSR.....	n a	3,040	4,240	4,400	n a
Communist China.....	n a	125	575	600	1,500
North Korea.....	n a	50	n a	n a	n a

## NATO COUNTRIES

	1954	1955 <sup>c</sup>		1954	1955 <sup>c</sup>		1954	1955 <sup>c</sup>
Canada.....	205	351	Norway.....	140	170			

## OTHER COUNTRIES

Chile.....	1,210	1,280	Japan.....	204	198	Yugoslavia.....	200	430
------------	-------	-------	------------	-----	-----	-----------------	-----	-----

<sup>a</sup> Molybdenum content of molybdenum ores mined.<sup>b</sup> Including Canada, Norway, and the US.<sup>c</sup> Preliminary.<sup>d</sup> No production in Albania, Bulgaria, Czechoslovakia, East Germany, Hungary, or Poland.

Table 35  
PRODUCTION OF COBALT,<sup>a</sup> 1950 AND 1954-55

Country	1950	1954	Metric Tons 1955
NATO <sup>b</sup> .....	632	1,930	2,540
US.....	367	906	1,180
Sino-Soviet Bloc.....	n a	1,140	1,220
USSR <sup>c</sup> .....	n a	1,140	1,220

## NATO COUNTRIES

	1954	1955
Canada <sup>d</sup> .....	1,020	1,360

## OTHER COUNTRIES

Belgian Congo <sup>e</sup> .....	8,610	8,560
French Morocco.....	736	751
Northern Rhodesia <sup>e</sup> .....	428	123

<sup>a</sup> Metal content of ore.<sup>b</sup> Including Canada and the US only.<sup>c</sup> Little or no production in any other Sino-Soviet Bloc country.<sup>d</sup> Metal, salts, and oxides recovered from smelter products plus cobalt contained in cobalt ore and residues exported.<sup>e</sup> Cobalt content of alloys.

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MINERALS AND METALS

Table 36  
PRODUCTION OF BAUXITE, 1938, 1950, AND 1954-56

Country	1938	1950	1954	Thousand Metric Tons	
				1955	1956
NATO <sup>a</sup> .....	1,560	2,400	3,960	4,140	<i>n a</i>
US <sup>b</sup> .....	316	1,360	2,040	1,820	1,770
Sino-Soviet Bloc <sup>d</sup> .....	865	1,190	2,190	2,270	2,560
USSR <sup>e</sup> .....	250	605	880	970	1,600
Communist China <sup>e</sup> .....	63.2	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>
North Vietnam.....	0.16	0	0	0	Negl.
European Satellites.....	552	588	1,310	1,300	955
Hungary.....	540	578	1,260	1,240	893
Rumania.....	11.8	9.8	52.0	62.0	62.0

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
France.....	1,500	1,460	Italy.....	326	<i>n a</i>	West Germany....	3.87	<i>n a</i>
Greece.....	500	<i>n a</i>						

## OTHER COUNTRIES

British Guiana <sup>f</sup> .....	2,200	<i>n a</i>	India.....	81.6	<i>n a</i>	Malaya.....	226	269
French West Africa....	493	<i>n a</i>	Indochina.....	264	303	Surinam.....	3,120	3,440
Gold Coast <sup>f</sup> .....	118	<i>n a</i>	Jamaica <sup>b</sup> .....	2,240	3,190	Yugoslavia.....	791	881

<sup>a</sup> Including France, Greece, Italy, the US, and West Germany. The 1938 total includes all Germany.

<sup>b</sup> Dried equivalent of crude ore.

<sup>c</sup> Shipments.

<sup>d</sup> No production in Albania, Bulgaria, Czechoslovakia, East Germany, or Poland.

<sup>e</sup> Production in USSR and Communist China should be called "aluminous raw materials" rather than bauxite because some nonbauxite ores have been included. For example, production in China in 1938 was from shale, not bauxite. Nonbauxite sources of alumina are being developed in the Sino-Soviet Bloc and probably will become important.

<sup>f</sup> Exports.

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## MINERALS AND METALS

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Table 37  
PRODUCTION OF PRIMARY ALUMINUM,<sup>a</sup> 1938, 1946, 1948, 1950-56, AND 1960 PLAN

Thousand Metric Tons

Country	1938	1946	1948	1950	1951	1952	1953	1954	1955	1956	1960 Plan
NATO <sup>b</sup> .....	367	706	1,060	1,210	1,460	1,640	2,000	2,230	2,380	2,570	....
US.....	130	372	566	652	759	850	1,140	1,320	1,420	1,520	....
Sino-Soviet Bloc <sup>c</sup> .....	124	70.9	100	138	177	224	282	364	454	485	n a
USSR.....	43.8	68.9	91.1	120	149	186	231	288	335	362	704
Communist China.....	n a	0	0	0	0	0	0	2.0	10.0	12.0	60.0
European Satellites.....	80.0	2.0	9.4	17.8	28.0	38.5	50.7	74.9	109	111	n a
Czechoslovakia.....	0	0	0	0	0	0	2.74	15.9	24.7	21.2	n a
East Germany.....	78.7	0	Negl.	0.83	7.0	13.5	20.0	26.0	27.0	34.0	n a
Hungary.....	1.3	2.0	9.4	17.0	21.0	25.0	28.0	33.0	37.0	34.8	n a
Poland.....	0	0	0	0	0	0	0	0	20.4	20.9	n a

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Canada.....	530	562	Italy.....	61.4	63.4	UK.....	24.8	28.0
France.....	129	150	Norway.....	77.9	92.9	West Germany.....	137	147

## OTHER COUNTRIES

India.....	7.32	6.60	Spain.....	10.4	13.6	Switzerland.....	30	30
Japan.....	57.4	63.3	Sweden.....	10.7	13.4	Yugoslavia.....	11.5	14.6
World Total <sup>d</sup> .....	2,650	n a						

<sup>a</sup> Unless otherwise noted, data refer to production of primary (virgin) aluminum from both domestic and imported ores.

<sup>b</sup> Including Canada, France, Italy, Norway, the UK, the US, and West Germany.

<sup>c</sup> No production in North Korea, North Vietnam, Albania, Bulgaria, or Rumania.

<sup>d</sup> Preliminary; excluding USSR and Communist China.

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MINERALS AND METALS

Table 38  
PRODUCTION OF COPPER,<sup>a</sup> 1938, 1946, 1948, 1950-56, AND 1960 PLAN

Country	1938	1946	1948	1950	1951	1952	1953	1954	1955	1956	Thousand Metric Tons
											1960 Plan
NATO <sup>b</sup> .....	1,640	1,360	1,860	2,050	2,050	1,960	2,180	2,180	2,410	2,550	....
US.....	<sup>d</sup> 986	864	1,230	1,270	1,220	1,180	1,370	1,290	1,440	<sup>e</sup> 1,550	....
Sino-Soviet Bloc <sup>e</sup> .....	133	157	207	289	325	370	377	401	465	470	<i>n a</i>
USSR.....	103	143	187	247	281	323	321	337	377	377	604
Communist China.....	0.457	0.947	0.472	4.0	6.0	8.0	10.9	12.6	12.9	13.2	14.7
North Korea <sup>f</sup> .....	<i>n a</i>	1.1	2.5	3.9	1.0	1.1	0.6	1.4	2.7	3.4	<i>n a</i>
European Satellites.....	29.5	12.2	16.9	34.1	37.2	37.4	44.7	50.0	72.2	76.3	<i>n a</i>
Albania.....	0	<i>n a</i>	Negl.	0.9	0.72	1.14	1.52	1.75	2.5	2.62	<i>n a</i>
Bulgaria.....	Negl.	<i>n a</i>	1.0	1.9	2.4	2.8	5.4	6.4	7.4	8.4	<i>n a</i>
Czechoslovakia.....	0	<i>n a</i>	0.6	1.0	1.0	2.0	3.0	4.5	4.7	5.2	<i>n a</i>
East Germany.....	29.5	12.0	14.7	27.8	28.7	25.8	27.6	28.5	33.3	33.0	<i>n a</i>
Hungary.....	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	<i>n a</i>
Poland.....	0	<i>n a</i>	0	0	0.6	0.7	0.9	1.3	15.7	16.9	<i>n a</i>
Rumania.....	0	0.22	0.575	2.5	3.8	5.0	6.3	7.5	8.6	10.2	<i>n a</i>

## NATO COUNTRIES

	1955	1956 <sup>c</sup>		1955	1956 <sup>c</sup>		1955	1956 <sup>c</sup>
Belgium <sup>e</sup> .....	157	170	Italy.....	26.9	24.4	Turkey <sup>b</sup> .....	10.5	6.41
Canada.....	262	300	Netherlands.....	0.051	0.051	UK.....	231	221
France.....	19.3	20.0	Norway.....	10.5	11.8	West Germany.....	260	254

## OTHER COUNTRIES

Austria.....	13.0	12.3	Finland.....	22.3	22.5	Northern Rhodesia <sup>b</sup> ...	180	230
Belgian Congo <sup>b</sup> .....	115	122	Japan.....	113	126	Sweden.....	31.9	32.2
Chile <sup>b</sup> .....	241	241	Mexico <sup>b</sup> .....	35.0	36.6	Union of South Africa.....	14.8	14.4
World Total.....	3,831	4,064						

<sup>a</sup> Refined copper produced from domestic and foreign ores and scrap.<sup>b</sup> Including Belgium, Canada, France, Italy, the Netherlands (1956), Norway, Turkey (1953-56), the UK, the US, and West Germany. Luxembourg is included in the total for Belgium.<sup>c</sup> Preliminary.<sup>d</sup> 1939.<sup>e</sup> No production in North Vietnam.<sup>f</sup> Metal content of ores mined.<sup>g</sup> Including Luxembourg.<sup>h</sup> Smelter production of copper was considerably larger than the production of refined copper in these countries, as shown by the following figures on smelter production.

	1955	1956
Chile.....	406	459
Northern Rhodesia.....	353	395
Belgian Congo.....	232	248
Mexico.....	43	47
Turkey.....	22	25

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Table 39  
PRODUCTION OF LEAD,<sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	Thousand Metric Tons	
				1955	1956
NATO <sup>b</sup> .....	516	1,090	1,110	1,110	1,230
US.....	<i>n a</i>	519	500	496	581
Sino-Soviet Bloc.....	118	168	332	376	408
USSR.....	69.0	96.0	193	220	235
Communist China.....	3.72	4.0	22.2	22.5	22.8
North Korea.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	9.0	18.0
European Satellites <sup>c</sup> .....	45.5	68.0	117	125	132
Bulgaria <sup>d</sup> .....	0	20.0	51.0	55.0	58.0
Czechoslovakia.....	5.0	7.6	10.0	10.0	10.0
East Germany.....	15.0	12.2	18.9	20.3	23.4
Poland.....	20.0	19.6	26.8	28.6	29.4
Rumania.....	5.5	8.6	10.6	11.1	11.6
NATO COUNTRIES					
	1955	1956		1955	1956
Belgium <sup>e</sup> .....	82.8	101	Greece.....	3.4	2.6
Canada.....	135	134	Italy.....	53.8	52.2
Denmark.....	7.3	7.3	Netherlands.....	5.2	7.9
France.....	92.6	85.6	Norway.....	0.9	1.2
OTHER COUNTRIES					
Australia.....	230	238	Peru.....	61.1	59.8
Austria.....	9.6	9.1	Spain.....	61.2	59.0
French Morocco.....	26.2	28.1			

<sup>a</sup> Production of refined metal from domestic and foreign ores and scrap.

<sup>b</sup> Excluding Iceland; Portugal and the US (1938); Denmark, Norway, and Turkey (1938 and 1950).

<sup>c</sup> No production in Albania.

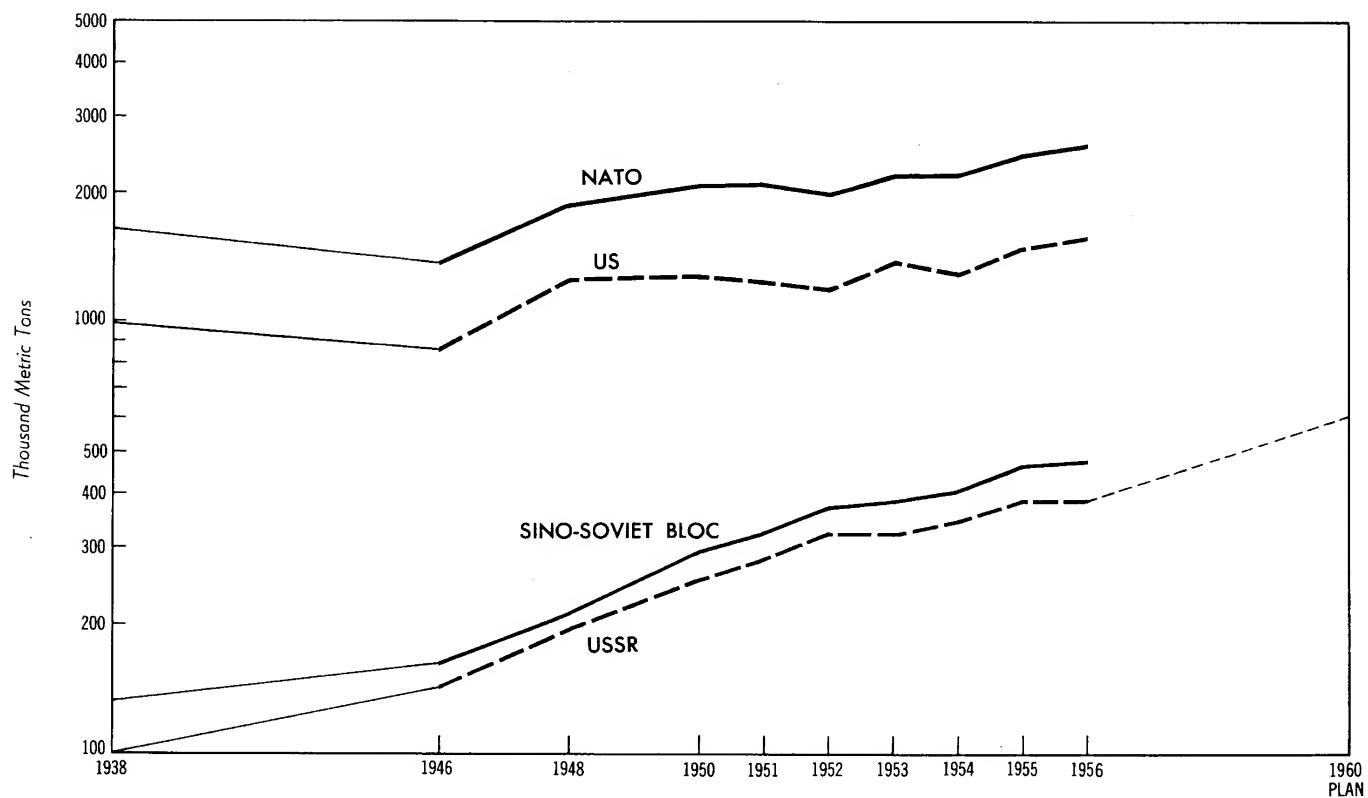
<sup>d</sup> Recoverable lead from concentrates.

<sup>e</sup> Including Luxembourg.

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Figure 7

COMPARISON OF PRODUCTION OF REFINED COPPER  
IN SELECTED AREAS, 1938, 1946, 1948, 1950-56, AND 1960 PLAN



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MINERALS AND METALS

Table 40  
PRODUCTION OF TIN METAL,<sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	Thousand Metric Tons	
				1955	1956
NATO <sup>b</sup> .....	67.5	93.8	97.8	89.2	<sup>c</sup> 85.2
US.....	<i>n a</i>	33	27.4	22.7	17.9
Sino-Soviet Bloc <sup>d</sup> .....	17.1	13.2	22.6	26.6	<i>n a</i>
USSR.....	1	7	9	10	<i>n a</i>
Communist China.....	16.0	6.0	13.0	16.0	17.0
North Korea.....	Negl.	Negl.	Negl.	Negl.	Negl.
European Satellites.....	0.100	0.165	0.602	0.600	0.680
East Germany.....	0.100	0.165	0.602	0.600	0.680

## NATO COUNTRIES

	1955	1956 <sup>c</sup>		1955	1956 <sup>c</sup>		1955	1956 <sup>c</sup>
Belgium.....	10.6	9.87	Portugal.....	0.960	1.19	West Germany.....	0.284	0.671
Netherlands.....	27.0	28.7	UK.....	27.7	26.9			

OTHER COUNTRIES<sup>e</sup>

Australia.....	2.04	1.93	Indonesia <sup>e</sup> .....	1.80	1.52	Malaya <sup>e</sup> .....	71.8	74.4
Belgian Congo <sup>e</sup> .....	3.08	3.01	Japan.....	0.942	0.955			

<sup>a</sup> Smelter.<sup>b</sup> Including Belgium, Canada (1950), the Netherlands, Portugal, the UK, the US (except 1938), and West Germany. The 1938 total includes all Germany.<sup>c</sup> Preliminary.<sup>d</sup> No production in North Vietnam, nor in any of the European Satellites which are not listed.<sup>e</sup> Countries having considerably larger mine production of tin (in terms of tin content) are as follows:

	1955	1956
Belgian Congo.....	15.3	14.8
Bolivia (exports).....	28.4	27.3
Indonesia.....	33.9	30.5
Thailand.....	11.2	11.9

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## MINERALS AND METALS

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Table 41  
PRODUCTION OF ZINC,<sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	Thousand Metric Tons	
				1955	1956
NATO <sup>b</sup> .....	1,170	1,570	1,700	1,900	1,970
US.....	415	826	790	935	964
Sino-Soviet Bloc.....	242	265	434	495	531
USSR.....	78.0	123	213	247	276
Communist China.....	2.53	2.70	6.80	7.90	8.30
North Korea <sup>c</sup> .....	<i>n a</i>	7.0	11.2	17.8	18.4
European Satellites <sup>d</sup> .....	161	132	203	222	228
Bulgaria <sup>e</sup> .....	0	13	47	51	55
Czechoslovakia.....	8.88	2.50	4.70	5.70	5.70
East Germany.....	44.4	Negl.	3.53	3.15	2.90
Poland.....	108	114	142	156	158
Rumania.....	0	3.0	6.0	6.0	6.0

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium <sup>f</sup> .....	212	228	Italy.....	70.5	76.6	UK.....	82.5	82.8
Canada.....	233	231	Netherlands.....	28.5	29	West Germany.....	186	196
France.....	112	110	Norway.....	44.2	48.2			

## OTHER COUNTRIES

Australia.....	103	107	Mexico.....	56.1	56.4	Spain.....	23.8	22.1
Belgian Congo.....	34.0	42.1	Northern Rhodesia.....	28.4	29.4	Yugoslavia.....	13.8	14
Japan.....	112	136	Peru.....	17.2	9.5			

<sup>a</sup> Production of refined metal from domestic and foreign ores and scrap.

<sup>b</sup> Excluding Denmark, Greece, Iceland, Portugal, and Turkey.

<sup>c</sup> Metal content of ores mined.

<sup>d</sup> No production in Albania or Hungary.

<sup>e</sup> Recoverable zinc in concentrates.

<sup>f</sup> Including Luxembourg.

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## MINERALS AND METALS

Table 42

PRODUCTION OF PRIMARY MAGNESIUM,  
1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	1956
NATO *	7.56	21.3	81.9	79.2	88.9
US.....	2.92	14.3	63.3	55.5	62.0
Sino-Soviet Bloc <sup>b</sup> ...	14.2	5	15	20	20
USSR.....	1.0	5	15	20	20
North Korea <sup>c</sup> ....	0.031	0	0	0	0
European Satellites..	13.2	0	0	0	0
East Germany....	13.2	0	0	0	0
NATO COUNTRIES					
			1955	1956	
Canada.....			7.11	9.07	
France.....			1.52	1.54	
Italy.....			2.86	2.72	
Norway.....			6.74	7.26	
UK <sup>d</sup> .....			5.46	6.35	

\* Including Canada, France, Italy, Norway (except 1938 and 1950), the UK, and the US. Data refer to the production of primary magnesium in Canada, the UK, and the US, but, except as noted, it is uncertain whether secondary magnesium is included in the data of other countries.

<sup>b</sup> No production in the countries of the Sino-Soviet Bloc which are not listed. Data for 1950 and 1954-56 are preliminary.

<sup>c</sup> On fiscal year basis (1 April through 31 March).

<sup>d</sup> Including some secondary magnesium.

Table 43

PRODUCTION OF MERCURY, 1938, 1950,  
AND 1954-56

Country	1938	1950	1954	1955	1956
NATO *	87.4	57.8	73.2	73.3	86.7
US.....	18.0	4.54	18.5	18.9	24.2
Sino-Soviet Bloc <sup>b</sup> ...	11.4	19.2	32.8	39.6	50.3
USSR <sup>c</sup> .....	9	17	25	26	26
Communist China <sup>c</sup> ....	2.09	1.0	6.5	12.3	23.0
European Satellites.....	0.29	1.15	1.25	1.25	1.25
Czechoslovakia...	0.29	1.0	1.0	1.0	1.0
Rumania.....	<i>n a</i>	0.15	0.25	0.25	0.25

Country	1955	1956
Italy.....	53.5	61.9
Turkey.....	0.84	0.56

## OTHER COUNTRIES

Japan.....	5.00	8.38
Mexico.....	29.8	19.5
Spain.....	43.4	40.0
Yugoslavia.....	14.6	13.2

\* Including Italy, Turkey (1954-56 only), and the US.

<sup>b</sup> No production in the countries of the Sino-Soviet bloc which are not listed.

<sup>c</sup> Data for 1950 and 1954-56 are preliminary.

## MINERALS AND METALS

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Table 44  
PRODUCTION OF SULFUR, 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Thousand Metric Tons	
					1956	
NATO <sup>a</sup> .....	<i>n a</i>	<i>n a</i>	8,170	8,520	<i>n a</i>	
US <sup>b</sup> .....	2,650	5,680	6,080	6,280	6,920	
Sino-Soviet Bloc.....	342	1,460	2,020	2,270	2,530	
USSR <sup>c</sup> .....	226	1,260	1,570	1,770	1,990	
Communist China <sup>d</sup> .....	55	8	80	100	100	
North Korea <sup>d</sup> .....	<i>n a</i>	68	28	36	48	
European Satellites <sup>e</sup> .....	60.5	122	345	371	388	
Albania.....	1.5	6.6	9.0	9.0	9.0	
Bulgaria.....	0.4	15.2	55.2	65.6	76.0	
Czechoslovakia.....	3.8	19.2	64.0	68.0	68.0	
East Germany <sup>f</sup> .....	9.2	30.0	132	143	150	
Hungary.....	1.6	4.8	7.2	7.2	7.2	
Poland.....	36.9	28.0	34.0	34.0	34.0	
Rumania.....	7.1	18.4	43.2	44.0	44.0	

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Canada <sup>g</sup> .....	282	361	Italy <sup>h</sup> .....	761	761	Turkey.....	17.2	8.2
France.....	126	128	Norway.....	349	369	UK.....	3.0	2.9
Greece.....	91.6	102	Portugal.....	263	301	West Germany.....	197	209

<sup>a</sup> Excluding Belgium, Denmark, Iceland, Luxembourg, and the Netherlands.

<sup>b</sup> Although most sulfur produced in the US is elementary sulfur, the following amounts were produced from pyrites: 1938, 222,000 metric tons; 1950, 399,000 metric tons; 1954, 411,000 metric tons; 1955, 402,900 metric tons; and 1956, 392,800 metric tons.

<sup>c</sup> Although most sulfur produced in the USSR is from pyrites, the following amounts were elementary sulfur: 1938, 79,000 metric tons; 1950, 100,000 metric tons; 1954, 124,000 metric tons; 1955, 140,000 metric tons; and 1956, 158,000 metric tons.

<sup>d</sup> Including sulfur from pyrites only.

<sup>e</sup> All sulfur produced from pyrites, except in East Germany in 1954-56.

<sup>f</sup> The 1938 and 1950 figures include only sulfur from pyrites, although there may have been a small amount of elementary sulfur produced in 1950. Production of elementary sulfur in other years is as follows: 1954, 88,300 metric tons; 1955, 95,400 metric tons; and 1956, 95,400 metric tons.

<sup>g</sup> Sales.

<sup>h</sup> Including production of elementary sulfur, as follows: 1954, 207,000 metric tons; and 1955, 183,000 metric tons.

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Table 45  
PRODUCTION OF GRAIN,<sup>a</sup> 1938, 1950, 1954-56, AND 1960 PLAN

Country	1938	1950	1954	1955	1956	Million Metric Tons 1960 Plan
NATO <sup>b</sup> .....	210	217	224	243	245	.....
US.....	114	135	137	141	142	.....
Sino-Soviet Bloc.....	<i>n a</i>	251	266	303	310	<i>n a</i>
USSR <sup>d</sup> .....	89	85	87	103	115	180
Communist China <sup>e</sup> .....	136	127	138	152	152	<i>n a</i>
North Korea <sup>f</sup> .....	<i>n a</i>	<i>n a</i>	2.36	2.65	3.40	<i>n a</i>
North Vietnam <sup>g</sup> .....	<sup>h</sup> 2.39	2.30	2.60	3.64	4.19	<i>n a</i>
European Satellites.....	<i>n a</i>	36.4	35.9	42.0	35.0	<i>n a</i>
Albania.....	0.199	0.208	0.235	0.307	0.263	0.520
Bulgaria.....	<i>n a</i>	3.27	3.65	4.01	3.21	<i>n a</i>
Czechoslovakia.....	<i>n a</i>	4.80	4.66	5.12	5.43	6.88
East Germany.....	<i>n a</i>	5.35	4.33	4.96	4.35	<i>n a</i>
Hungary.....	7.19	5.47	5.31	6.24	5.00	<i>n a</i>
Poland.....	<i>n a</i>	11.3	11.0	12.7	11.6	16.2
Rumania.....	<sup>i</sup> 8.83	5.97	6.70	8.67	5.11	15.0

## NATO COUNTRIES

	1955 <sup>c</sup>	1956 <sup>c</sup>		1955 <sup>c</sup>	1956 <sup>c</sup>		1955 <sup>c</sup>	1956 <sup>c</sup>
Belgium.....	1.70	1.56	Italy.....	14.5	13.3	Portugal.....	1.36	0.882
Canada.....	26.4	29.8	Luxembourg.....	0.091	0.091	Turkey.....	12.1	9.52
Denmark.....	3.51	3.77	Netherlands.....	1.66	1.56	UK.....	8.40	8.03
France.....	18.3	19.4	Norway.....	0.356	0.523	West Germany.....	11.4	12.0
Greece.....	2.12	1.99						

## OTHER COUNTRIES

Argentina.....	11.6	12.9	India.....	54.3	<i>n a</i>	Yugoslavia.....	7.29	6.17
Australia.....	7.31	5.33	Spain.....	7.85	7.82			

<sup>a</sup> Including wheat, rye, barley, oats, corn, and rice where produced. See Tables 46 through 53 for greater detail on individual grains.

<sup>b</sup> Excluding Iceland. Rice is included in France, Greece, Italy, Turkey, and the US only. The 1956 total excludes coarse grain production of Portugal.

<sup>c</sup> Preliminary.

<sup>d</sup> Including other grains, such as buckwheat, millet, pulses, and the like.

<sup>e</sup> Data for Communist China usually include wheat, rice, tubers (in grain equivalent), soy beans, and other grains, which are estimated as follows:

Million metric

Year	tons
1938.....	157
1950.....	149
1954.....	164
1955.....	180
1956.....	180

<sup>f</sup> Including legumes.

<sup>g</sup> Including only rice and corn.

<sup>h</sup> 1937-41 average.

<sup>i</sup> 1935-39 average.

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Table 46  
PRODUCTION OF BREADGRAINS,<sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Million Metric Tons	
					1956	1956
NATO <sup>b</sup> .....	80.6	74.3	74.5	82.1	78.9	
US.....	26.8	28.5	27.4	26.2	27.7	
Sino-Soviet Bloc <sup>d</sup> .....	<sup>c</sup> n a	93.0	97.5	106	110	
USSR.....	52.3	54.2	54.7	59.7	68.3	
Communist China <sup>e</sup> .....	<sup>f</sup> 24.5	17.0	23.0	23.5	22.0	
North Korea <sup>e</sup> .....	<sup>c</sup> n a	<sup>g</sup> 0.154	0.097	0.098	<sup>c</sup> n a	
European Satellites.....	<sup>c</sup> n a	21.6	19.7	22.7	19.8	
Albania.....	0.041	0.065	0.085	0.088	0.075	
Bulgaria.....	<sup>c</sup> n a	2.15	2.26	2.21	1.88	
Czechoslovakia.....	<sup>c</sup> n a	2.58	2.37	2.43	2.58	
East Germany.....	<sup>c</sup> n a	3.63	2.79	3.01	2.66	
Hungary.....	3.49	2.85	2.14	2.52	2.15	
Poland.....	<sup>c</sup> n a	8.13	7.85	9.14	8.46	
Rumania.....	<sup>h</sup> 3.30	2.21	2.18	3.30	1.95	

## NATO COUNTRIES

	1955	1956 <sup>c</sup>		1955	1956 <sup>c</sup>		1955	1956 <sup>c</sup>
Belgium.....	0.934	0.793	Italy.....	9.63	8.79	Portugal.....	0.663	0.719
Canada.....	13.8	14.9	Luxembourg.....	0.048	0.045	Turkey.....	7.78	6.15
Denmark.....	0.445	0.551	Netherlands.....	0.818	0.801	UK.....	2.66	2.90
France.....	10.8	7.01	Norway.....	0.033	0.056	West Germany.....	6.86	7.20
Greece.....	1.39	1.31						

## OTHER COUNTRIES

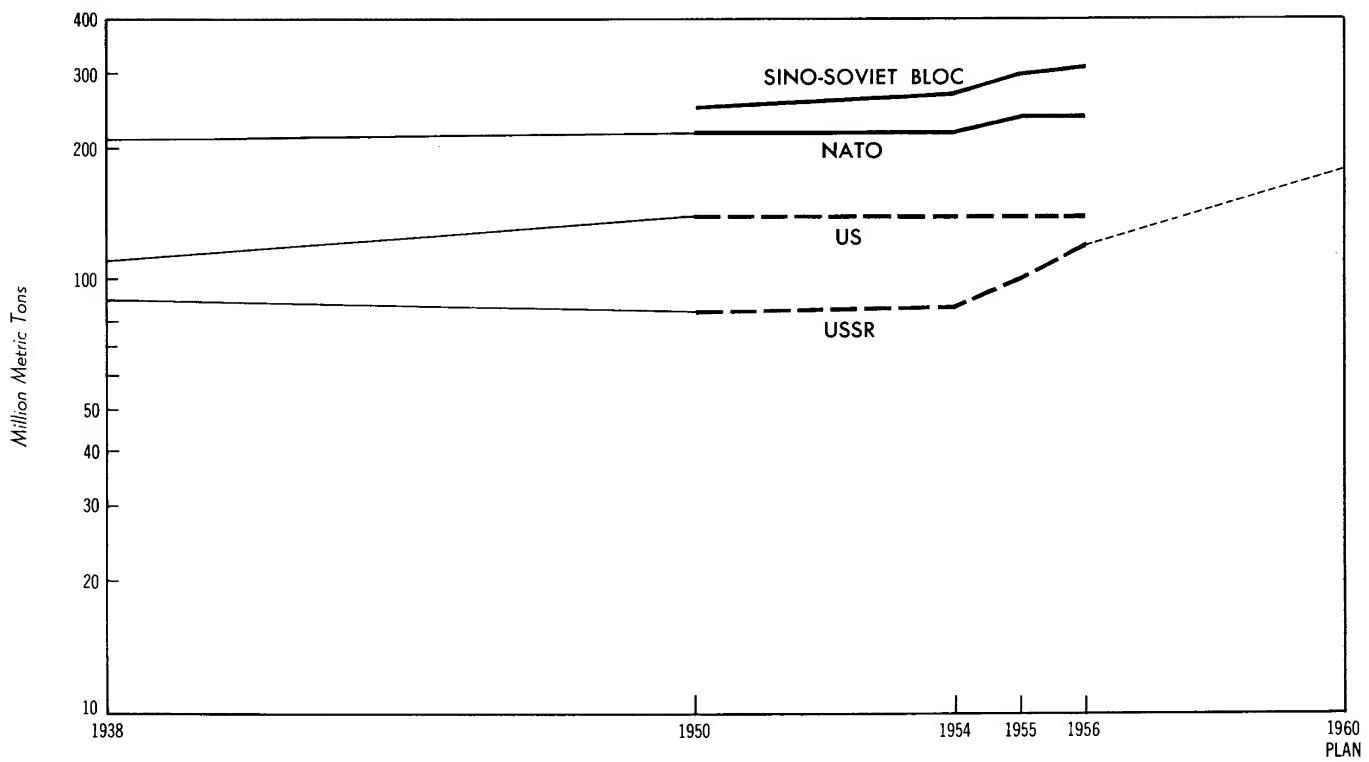
Argentina.....	5.90	8.12	India <sup>e</sup> .....	8.92	8.48	Spain.....	4.57	4.73
Australia <sup>e</sup> .....	5.32	3.54	Pakistan <sup>e</sup> .....	3.22	353	Yugoslavia.....	2.70	1.98
World Total <sup>f</sup> .....	239	242						

<sup>a</sup> Including wheat and rye unless otherwise noted.<sup>b</sup> Excluding Iceland.<sup>c</sup> Preliminary.<sup>d</sup> No production in North Vietnam.<sup>e</sup> Wheat only.<sup>f</sup> 1931-37 average.<sup>g</sup> 1949.<sup>h</sup> 1935-39 average.<sup>i</sup> Estimated.

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Figure 8

**COMPARISON OF PRODUCTION OF GRAIN  
IN SELECTED AREAS, 1938, 1950, 1954-56, AND 1960 PLAN**



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Table 47  
PRODUCTION OF WHEAT, 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Thousand Metric Tons *			
					1956	1956		
NATO <sup>b</sup> .....	68,000	67,800	67,000	75,100	71,900	71,900		
US.....	25,400	27,900	26,800	25,400	27,100	27,100		
Sino-Soviet Bloc <sup>d</sup> .....	<i>n a</i>	58,800	69,500	77,500	87,100	87,100		
USSR.....	33,100	31,200	36,500	42,100	55,500	55,500		
Communist China.....	24,500	17,000	23,000	23,500	22,000	22,000		
North Korea.....	<i>n a</i>	<i>n a</i>	97	98	<i>n a</i>	<i>n a</i>		
European Satellites.....	<i>n a</i>	10,600	9,960	11,800	9,570	9,570		
Albania.....	37.9	62.0	81.3	83.7	72.0	72.0		
Bulgaria.....	<i>n a</i>	1,900	2,000	1,930	1,640	1,640		
Czechoslovakia.....	<i>n a</i>	1,420	1,300	1,480	1,530	1,530		
East Germany.....	<i>n a</i>	1,210	855	1,070	855	855		
Hungary.....	2,690	2,080	1,670	1,980	1,700	1,700		
Poland.....	<i>n a</i>	1,840	2,000	2,130	1,930	1,930		
Rumania.....	3,050	2,090	2,060	3,120	1,840	1,840		
NATO COUNTRIES								
1955	1956 <sup>c</sup>		1955	1956 <sup>c</sup>		1955	1956 <sup>c</sup>	
Belgium.....	714	597	Italy.....	9,500	8,680	Portugal.....	508	568
Canada.....	13,400	14,600	Luxembourg.....	38	53	Turkey.....	7,100	5,500
Denmark.....	254	264	Netherlands.....	353	309	UK.....	2,640	2,870
France.....	10,400	6,530	Norway.....	32	53	West Germany...	3,360	3,470
Greece.....	1,330	1,260	OTHER COUNTRIES					
Argentina.....	5,250	7,130	India <sup>e</sup> .....	8,920	8,480	Spain.....	4,080	4,220
Australia.....	5,320	3,540	Japan.....	1,470	1,380	Sweden.....	717	945
Austria.....	549	570	New Zealand.....	79	76	Switzerland.....	295	168
Brazil.....	735	<i>n a</i>	Pakistan <sup>e</sup> .....	3,220	3,530	Yugoslavia.....	2,440	1,770
Finland.....	210	218						
World Total <sup>b</sup> .....	202,000	207,000						

\* Conversion factor for Free World data: 1 bushel of wheat equals 60 pounds.

<sup>b</sup> Excluding Iceland.<sup>c</sup> Preliminary.<sup>d</sup> No production in North Vietnam.<sup>e</sup> 1931-37 average.<sup>f</sup> 1935-39 average.<sup>g</sup> Including allowances for nonreporting areas.<sup>h</sup> Estimated.

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Table 48  
PRODUCTION OF RYE, 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Thousand Metric Tons *	
					1956	1956
NATO <sup>b</sup> .....	12,700	6,500	7,520	6,960	6,950	
US.....	1,410	584	659	738	548	
Sino-Soviet Bloc <sup>d</sup> .....	<i>n a</i>	34,000	28,000	28,500	23,000	
USSR.....	19,200	23,000	18,200	17,600	12,800	
European Satellites.....	<i>n a</i>	11,000	9,720	10,900	10,200	
Albania.....	3.3	3.0	3.8	4.0	3.4	
Bulgaria.....	<i>n a</i>	254	264	279	238	
Czechoslovakia.....	<i>n a</i>	1,170	1,070	948	1,050	
East Germany.....	<i>n a</i>	2,420	1,940	1,950	1,800	
Hungary.....	805	768	478	543	450	
Poland.....	<i>n a</i>	6,290	5,840	7,000	6,540	
Rumania.....	254	123	120	180	105	

## NATO COUNTRIES

	1955	1956 <sup>c</sup>		1955	1956 <sup>c</sup>		1955	1956 <sup>c</sup>
Belgium.....	220	196	Italy.....	125	107	Portugal.....	155	151
Canada.....	375	218	Luxembourg.....	10	9	Turkey.....	675	650
Denmark.....	191	287	Netherlands.....	465	492	UK.....	19	24
France.....	440	476	Norway.....	1	3	West Germany.....	3,500	3,740
Greece.....	54	51						

## OTHER COUNTRIES

Argentina.....	654	990	Spain.....	487	510	Switzerland.....	40	39
Austria.....	416	434	Sweden.....	170	274	Yugoslavia.....	262	206
Finland.....	127	140						
World Total <sup>f</sup> .....	37,600	35,200						

\* Conversion factor for Free World data: 1 bushel of rye equals 56 pounds.

<sup>b</sup> Excluding Iceland. The 1938 total includes all Germany.<sup>c</sup> Preliminary.<sup>d</sup> No production in Communist China or North Vietnam.<sup>e</sup> 1935-39 average.<sup>f</sup> Estimated.

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Table 49  
PRODUCTION OF COARSE GRAINS,<sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Million Metric Tons 1956
NATO <sup>b</sup> .....	127	140	145	157	162
US.....	86.1	105	106	113	113
Sino-Soviet Bloc.....	<i>n a</i>	97.4	97.5	119	114
USSR <sup>d</sup> .....	36.3	30.7	32.4	43.6	46.9
Communist China.....	51	52	49	55	52
North Korea.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	1.05	<i>n a</i>
North Vietnam <sup>f</sup> .....	0.182	0.059	Negl.	0.035	0.054
European Satellites.....	<i>n a</i>	14.6	16.1	19.1	15.0
Albania.....	0.158	0.142	0.146	0.216	0.184
Bulgaria.....	<i>n a</i>	1.10	1.36	1.78	1.30
Czechoslovakia.....	<i>n a</i>	2.22	2.30	2.69	2.85
East Germany.....	<i>n a</i>	1.72	1.54	1.95	1.69
Hungary.....	3.70	2.58	3.10	3.67	2.73
Poland <sup>g</sup> .....	<i>n a</i>	3.14	3.16	3.53	3.13
Rumania.....	<sup>h</sup> 5.52	3.74	4.47	5.31	3.12

## NATO COUNTRIES

	1955	1956 <sup>c</sup>		1955	1956 <sup>d</sup>		1955	1956 <sup>e</sup>
Belgium <sup>g</sup> .....	0.761	0.767	Italy.....	4.00	3.78	Portugal.....	0.520	<i>n a</i>
Canada.....	12.6	14.9	Luxembourg <sup>i</sup> .....	0.043	0.046	Turkey.....	4.20	3.23
Denmark <sup>g</sup> .....	3.06	3.22	Netherlands <sup>g</sup> .....	0.844	0.763	UK <sup>g</sup> .....	5.74	5.13
France.....	7.40	12.3	Norway <sup>g</sup> .....	0.323	0.467	West Germany <sup>g</sup> .....	4.56	4.76
Greece.....	0.668	0.641						

## OTHER COUNTRIES

Argentina.....	5.54	4.58	India <sup>j</sup> .....	5.48	<i>n a</i>	Sweden <sup>g</sup> .....	1.00	1.76
Australia <sup>g</sup> .....	1.90	1.70	Japan.....	2.47	2.36	Yugoslavia.....	4.57	4.17
Finland <sup>g</sup> .....	0.954	0.969	Spain.....	2.92	2.68			
World Total <sup>k</sup> .....	291	300						

<sup>a</sup> Including barley, oats, and corn unless otherwise noted.<sup>b</sup> Excluding Iceland (all years) and Portugal (1956). The 1938 total includes all Germany.<sup>c</sup> Preliminary.<sup>d</sup> Including all grains other than wheat and rye.<sup>e</sup> Not comparable with other data, because corn is included ensiled in the milky, waxy stages and converted to dry corn equivalents.<sup>f</sup> Corn only. The 1938 figure is a 1937-41 average.<sup>g</sup> Corn is either not produced or produced only in insignificant quantities.<sup>h</sup> 1935-39 average.<sup>i</sup> Oats only.<sup>j</sup> Barley and corn only.<sup>k</sup> Estimated total. Sino-Soviet Bloc countries are included for oats and barley, but not for corn.

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Table 50  
PRODUCTION OF BARLEY, 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Thousand Metric Tons *	
					1956	1956
NATO <sup>b</sup> .....	18,800	20,000	24,600	28,500	31,100	
US.....	5,510	6,610	8,260	8,740	8,110	
Sino-Soviet Bloc.....	<i>n a</i>	10,900	12,900	14,600	15,100	
USSR.....	9,000	6,800	8,800	9,600	10,500	
Communist China <sup>d</sup> .....	<i>n a</i>					
North Korea.....	<i>n a</i>	<i>n a</i>	64	65	<i>n a</i>	
European Satellites.....	<i>n a</i>	4,050	4,060	4,930	4,620	
Albania.....	4.4	5.6	8.5	8.5	7.3	
Bulgaria.....	<i>n a</i>	403	419	390	351	
Czechoslovakia.....	<i>n a</i>	1,000	1,050	1,300	1,430	
East Germany.....	<i>n a</i>	587	600	777	675	
Hungary.....	724	607	534	715	664	
Poland.....	<i>n a</i>	1,050	1,080	1,240	1,130	
Rumania.....	610	395	360	500	355	

## NATO COUNTRIES

	1955	1956 *		1955	1956 *		1955	1956 *
Belgium.....	280	288	Greece.....	224	254	Portugal.....	87	<i>n a</i>
Canada.....	5,500	6,050	Italy.....	292	275	Turkey.....	2,980	2,180
Denmark.....	2,200	2,380	Netherlands.....	264	277	UK.....	2,980	2,700
France.....	2,670	5,990	Norway.....	209	293	West Germany...	2,080	2,310

## OTHER COUNTRIES

Algeria.....	707	970	India <sup>f</sup> .....	2,920	2,760	Japan.....	2,160	2,100
Argentina.....	951	784	Iran.....	880	880	Spain.....	1,730	1,520
French Morocco.....	1,250	1,590	Iraq.....	904	1,000	Yugoslavia.....	390	344
World Total *.....	67,000	71,100						

\* Conversion factor for Free World data: 1 bushel of barley equals 48 pounds.

<sup>b</sup> Excluding Iceland and Luxembourg; Portugal (1956). The 1938 total includes all Germany.<sup>c</sup> Preliminary.<sup>d</sup> Included under coarse grains.<sup>e</sup> 1935-39 average.<sup>f</sup> Including allowances for nonreporting areas.<sup>g</sup> Estimated.

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Table 51  
PRODUCTION OF OATS, 1938, 1950, AND 1954-56

Country	1938	1950	1954	Thousand Metric Tons *	
				1955	1956
NATO <sup>b</sup> .....	38,700	38,200	36,800	40,200	37,300
US.....	15,500	20,500	20,500	21,800	16,700
Sino-Soviet Bloc.....	<i>n a</i>	17,900	16,900	18,100	17,500
USSR.....	15,700	13,000	12,200	13,000	12,800
Communist China <sup>d</sup> .....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>
European Satellites.....	<i>n a</i>	4,880	4,610	5,120	4,710
Albania.....	10.7	9.6	10.0	10.0	9.5
Bulgaria.....	<i>n a</i>	131	130	122	130
Czechoslovakia.....	<i>n a</i>	914	1,010	974	1,020
East Germany.....	<i>n a</i>	1,130	932	1,160	1,010
Hungary.....	310	169	149	176	166
Poland.....	<i>n a</i>	2,100	2,070	2,290	2,000
Rumania.....	• 544	427	312	388	381
NATO COUNTRIES					
	1955	1956 <sup>c</sup>		1955	1956 <sup>c</sup>
Belgium.....	481	479	Italy.....	528	506
Canada <sup>a</sup> .....	6,290	8,260	Luxembourg.....	43	46
Denmark.....	863	839	Netherlands.....	580	486
France.....	3,640	4,500	Norway.....	114	174
Greece.....	156	153	OTHER COUNTRIES		
Argentina.....	723	871	Ireland.....	576	533
Australia.....	1,020	762	Spain.....	503	450
Finland.....	682	675			
World Total <sup>f</sup> .....	64,500	61,300	Sweden.....	597	1,150
			Yugoslavia.....	278	324

\* Conversion factor for Free World data: 1 bushel of oats equals 32 pounds (except Canada, for which the data were given in terms of 1 bushel equals 34 pounds).

<sup>b</sup> Excluding Iceland (all years) and Portugal (1956). The 1938 total includes all Germany.

<sup>c</sup> Preliminary.

<sup>d</sup> Included under coarse grains.

<sup>e</sup> 1935-39 average.

<sup>f</sup> Estimated.

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## AGRICULTURE

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Table 52  
PRODUCTION OF CORN, 1938, 1950, AND 1954-56

Country	1938	1950	1954	Thousand Metric Tons *	
				1955	1956
NATO <sup>b</sup> .....	69,900	82,200	83,700	88,600	94,900
US.....	65,100	77,700	77,700	82,000	87,700
Sino-Soviet Bloc.....	<sup>c</sup> n a	9,630	11,500	23,000	20,100
USSR.....	4,200	3,800	3,800	<sup>d</sup> 13,500	<sup>d</sup> 14,400
Communist China <sup>e</sup> .....	<sup>c</sup> n a	<sup>c</sup> n a	<sup>c</sup> n a	<sup>c</sup> n a	<sup>c</sup> n a
North Korea.....	<sup>c</sup> n a	<sup>c</sup> n a	323	379	<sup>c</sup> n a
North Vietnam.....	<sup>f</sup> 182	59	<sup>c</sup> n a	35	54
European Satellites.....	<sup>c</sup> n a	5,720	7,410	9,090	5,680
Albania.....	142	127	147	197	168
Bulgaria.....	<sup>c</sup> n a	566	808	1,260	822
Czechoslovakia <sup>g</sup> .....	<sup>c</sup> n a	305	236	418	402
East Germany.....	<sup>c</sup> n a	6	3	9	4
Hungary.....	2,660	1,800	2,420	2,780	1,900
Rumania.....	<sup>b</sup> 4,370	2,920	3,800	4,420	2,380

## NATO COUNTRIES

	1955	1956 <sup>c</sup>		1955	1956 <sup>c</sup>		1955	1956 <sup>c</sup>
Canada.....	800	608	Greece.....	285	239	Portugal.....	308	444
France.....	1,090	1,790	Italy.....	3,190	3,400	Turkey.....	855	762

## OTHER COUNTRIES

Argentina.....	3,870	2,920	Indonesia.....	1,880	<sup>c</sup> n a	Spain.....	686	710
Brazil.....	6,600	<sup>c</sup> n a	Mexico.....	3,600	3,800	Union of South Africa.	3,380	3,610
Egypt.....	1,710	1,790	Pakistan.....	456	424	Yugoslavia.....	3,900	3,430
India.....	2,560	2,590						
World Total <sup>i</sup> .....	160,000	168,000						

\* Conversion factor for Free World data: 1 bushel of corn equals 56 pounds.

<sup>b</sup> Including Canada, France, Greece, Italy, Portugal, Turkey, and the US.<sup>c</sup> Preliminary.<sup>d</sup> Not comparable with other data, because corn is included ensiled in the milky, waxy stage and converted to dry corn equivalent.<sup>e</sup> Included under coarse grains.<sup>f</sup> 1937-41 average.<sup>g</sup> Including other grain mixtures.<sup>h</sup> 1935-39 average.<sup>i</sup> Estimated.

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Table 53  
PRODUCTION OF RICE,<sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	Thousands Metric Tons <sup>b</sup>	
				1955	1956
NATO <sup>c</sup> .....	2,020	2,770	4,250	4,3810	4,3350
US.....	1,070	1,760	2,910	4,2540	4,2150
Sino-Soviet Bloc.....	<sup>n a</sup>	61,800	70,000	78,200	84,000
USSR.....	200	200	200	200	200
Communist China.....	60,000	58,000	66,000	73,000	78,000
North Korea.....	<sup>n a</sup>	1,250	1,080	1,310	1,470
North Vietnam.....	2,210	2,240	2,600	3,600	4,130
European Satellites.....	<sup>n a</sup>	86	145	132	201
Albania.....	0.6	1	4	3.2	3.2
Bulgaria.....	<sup>n a</sup>	19	25	31	34
Hungary.....	<sup>n a</sup>	50	68	40	115
Rumania.....	<sup>n a</sup>	16	48	58	49

## NATO COUNTRIES

	1955 <sup>d</sup>	1956 <sup>d</sup>		1955 <sup>d</sup>	1956 <sup>d</sup>		1955 <sup>d</sup>	1956 <sup>d</sup>
France.....	81	100	Italy.....	859	748	Turkey.....	92	143
Greece.....	61	43	Portugal.....	180	163			

## OTHER COUNTRIES

Argentina.....	164	163	Indonesia.....	11,200	11,100	Philippine Islands..	3,270	3,340
Australia.....	88	96	Iran.....	322	499	Spain.....	363	408
Brazil.....	3,450	<sup>n a</sup>	Japan.....	14,700	13,000	South Korea.....	3,180	2,510
Burma.....	6,530	7,110	Laos.....	499	522	South Vietnam.....	2,250	2,630
Cambodia.....	1,100	1,430	Malaya.....	678	733	Taiwan.....	2,390	2,220
Ceylon.....	684	544	Nepal.....	1,220	1,250	Thailand.....	7,350	8,160
Egypt.....	1,310	1,520	Pakistan.....	12,000	14,500	Yugoslavia.....	26	21
India.....	39,900	40,600						
World Total <sup>b</sup> .....	193,000	199,000						

<sup>a</sup> Paddy rice.<sup>b</sup> Conversion factor for Free World data: 1 bushel of rice equals 45 pounds.<sup>c</sup> Including France, Greece, Italy, Portugal, Turkey, and the US.<sup>d</sup> Preliminary.<sup>e</sup> 1931-37 average.<sup>f</sup> 1937-41 average.<sup>g</sup> 1935-39 average.<sup>h</sup> Estimated.

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## AGRICULTURE

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Table 54

PRODUCTION OF POTATOES,<sup>a</sup> 1938, 1950, AND 1954-56Million Metric Tons <sup>b</sup>

Country	1938	1950	1954	1955	1956
NATO.....	96.8	80.5	78.3	71.9	78.8
US.....	10.2	11.7	10.2	10.3	11.1
Sino-Soviet Bloc.....	<i>n a</i>	196	214	193	233
USSR.....	75.0	84.0	80.0	67.0	100
Communist China <sup>c</sup> .....	38.0	52.0	76.0	76.0	76.0
North Korea <sup>c</sup> .....	<i>n a</i>	<i>n a</i>	0.581	0.596	0.700
North Vietnam <sup>d</sup> .....	0.181	0.150	<i>n a</i>	0.101	0.128
European Satellites.....	<i>n a</i>	59.5	57.5	49.0	56.0
Albania.....	0.002	0.004	0.004	0.004	0.004
Bulgaria.....	<i>n a</i>	0.082	0.085	0.127	0.077
Czechoslovakia.....	<i>n a</i>	7.48	5.10	7.92	8.09
East Germany.....	<i>n a</i>	13.1	13.0	9.69	11.8
Hungary.....	2.14	1.35	1.99	2.08	1.56
Poland.....	38.0	36.5	35.7	27.0	32.5
Rumania.....	<sup>i</sup> 1.31	1.01	1.64	2.19	2.03

## NATO COUNTRIES

	1955	1956 <sup>e</sup>		1955	1956 <sup>e</sup>		1955	1956 <sup>e</sup>
Belgium <sup>k</sup> .....	2.32	2.17	Iceland.....	0.009	<i>n a</i>	Portugal.....	1.81	1.86
Canada.....	1.72	1.82	Italy.....	3.40	3.30	Turkey.....	1.05	<i>n a</i>
Denmark.....	1.44	1.99	Netherlands.....	4.08	3.53	UK.....	6.38	7.38
France.....	15.1	17.0	Norway.....	0.98	1.46	West Germany.....	22.9	26.8
Greece.....	0.438	0.418						

## OTHER COUNTRIES

Austria.....	2.89	2.99	Japan.....	2.87	2.69	Switzerland.....	0.900	0.907
Finland.....	1.07	1.74	Spain.....	4.00	4.30	Yugoslavia.....	2.26	2.16
Ireland.....	2.20	2.34	Sweden.....	1.28	2.15			

<sup>a</sup> Data refer to year of harvest in the Northern Hemisphere and include the harvest immediately following in the Southern Hemisphere.

<sup>b</sup> Conversion factor for Free World data: 1 bushel of potatoes equals 60 pounds.

<sup>c</sup> Including all Germany.

<sup>d</sup> Excluding Iceland and Turkey.

<sup>e</sup> Preliminary.

<sup>f</sup> Including sweet potatoes, Irish potatoes, yams, taro, and the like.

<sup>g</sup> 1931-37.

<sup>h</sup> Sweet potatoes only.

<sup>i</sup> Prewar average.

<sup>j</sup> 1935-39 average.

<sup>k</sup> Including Luxembourg.

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Table 55

PRODUCTION OF COTTON,<sup>a</sup> 1938, 1946, 1948, 1950-56, AND 1960 PLAN

Country	1938	1946	1948	1950	1951	1952	1953	1954	1955	1956	Thousand Metric Tons <sup>b</sup>	
											1960 Plan	1960 Plan
NATO <sup>c</sup> .....	<sup>d</sup> 2,770	<i>n a</i>	3,270	2,300	3,460	3,480	3,740	3,160	3,400	<sup>e</sup> 3,060	.....	
US.....	<sup>d</sup> 2,700	<i>n a</i>	3,190	2,150	3,300	3,300	3,570	2,970	3,200	<sup>e</sup> 2,860	.....	
Sino-Soviet Bloc.....	1,590	<i>n a</i>	<i>n a</i>	1,990	2,340	2,600	2,510	2,530	2,890	3,010	<i>n a</i>	
USSR.....	732	518	730	1,210	1,270	1,280	1,310	1,430	1,340	1,500	2,090	
Communist China.....	<sup>f</sup> 850	<i>n a</i>	<i>n a</i>	710	1,040	1,300	1,180	1,060	1,520	1,460	2,110	
North Korea.....	<i>n a</i>	15	29	56	<i>n a</i>	30	<i>n a</i>					
North Vietnam.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	0.5	1.0	<i>n a</i>	
European Satellites <sup>g</sup> ....	7.7	<i>n a</i>	<i>n a</i>	16.7	24.1	19.1	24.6	31.3	32.1	21.9	<i>n a</i>	
Albania.....	0.6	<i>n a</i>	<i>n a</i>	2.5	1.7	2.8	3.1	4.3	4.0	4.0	<i>n a</i>	
Bulgaria.....	<sup>h</sup> 7.0	8.8	6.5	8.1	12.5	10.0	14.0	18.5	20.1	12.9	<i>n a</i>	
Hungary.....	.....	.....	.....	0.1	2.4	0.8	2.5	1.0	0.5	0.5	<i>n a</i>	
Rumania.....	<sup>h</sup> 0.1	1.1	3.5	6.0	7.5	5.5	5.0	7.5	7.5	4.5	<i>n a</i>	

## NATO COUNTRIES

	1955	1956 <sup>e</sup>		1955	1956 <sup>e</sup>		1955	1956 <sup>e</sup>
Greece.....	61	55	Italy.....	14	12	Turkey.....	131	131

## OTHER COUNTRIES

Argentina.....	113	120	Mexico.....	488	379	Sudan.....	96	119
Brazil.....	370	327	Pakistan.....	310	287	Syria.....	89	99
Egypt.....	336	320	Peru.....	98	102	Yugoslavia.....	2.8	2.4
India.....	845	914						

<sup>a</sup> Ginned cotton.<sup>b</sup> Conversion factor for Free World data: 1 bale of cotton equals 480 pounds (net weight).<sup>c</sup> Including Greece, Italy, Turkey, and the US. The year stated refers to the crop year beginning 1 August.<sup>d</sup> 1934-38 average.<sup>e</sup> Preliminary.<sup>f</sup> 1931-37 average.<sup>g</sup> No production in East Germany.<sup>h</sup> 1934-38 average.

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## AGRICULTURE

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Table 56  
PRODUCTION OF WOOL,<sup>a</sup> 1938, 1946, 1948, 1950-56, AND 1960 PLAN

Country	Thousand Metric Tons										
	1938	1946	1948	1950	1951	1952	1953	1954	1955	1956	1960 Plan
NATO <sup>b</sup> .....	354	275	253	249	258	273	279	289	282	299	....
US.....	198	155	132	112	114	121	124	127	125	136	....
Sino-Soviet Bloc.....	221	211	229	256	272	300	317	319	348	354	n a
USSR.....	130	145	155	175	190	215	230	225	250	255	455
Communist China <sup>d</sup> .....	40.8	34.0	34.0	34.0	34.0	34.0	34.7	35.4	36.1	36.8	39.8
European Satellites.....	50.4	31.9	40.3	46.6	47.8	50.8	52.0	58.2	62.1	62.7	n a
Albania.....	2.0	2.2	2.2	2.2	2.5	2.3	2.3	2.5	2.6	2.6	n a
Bulgaria.....	13.3	10.6	12.4	13.2	13.3	13.4	13.5	13.6	14.4	14.6	n a
Czechoslovakia.....	1.1	0.6	0.8	1.4	1.5	2.0	2.5	2.9	2.9	2.9	n a
East Germany.....	6.2	3.0	3.0	2.9	3.5	3.6	4.1	4.5	5.0	5.2	n a
Hungary.....	6.2	0.9	1.7	3.0	3.4	4.4	4.9	5.6	5.8	6.0	8.75
Poland.....	3.1	1.1	1.8	3.7	4.6	5.5	6.6	8.9	9.8	9.8	15.2
Rumania.....	18.5	13.5	18.4	20.2	19.0	19.6	18.1	20.2	21.6	21.6	34.0

## NATO COUNTRIES

	1955	1956 <sup>c</sup>		1955	1956 <sup>c</sup>		1955	1956 <sup>c</sup>
Canada.....	3.63	3.63	Netherlands.....	1.59	1.59	Turkey.....	35.7	37.2
France.....	25.4	25.0	Norway.....	3.63	3.63	UK.....	47.2	49.0
Greece.....	10.6	10.8	Portugal.....	10.3	10.4	West Germany.....	5.31	4.99
Italy.....	14.0	16.3						

## OTHER COUNTRIES

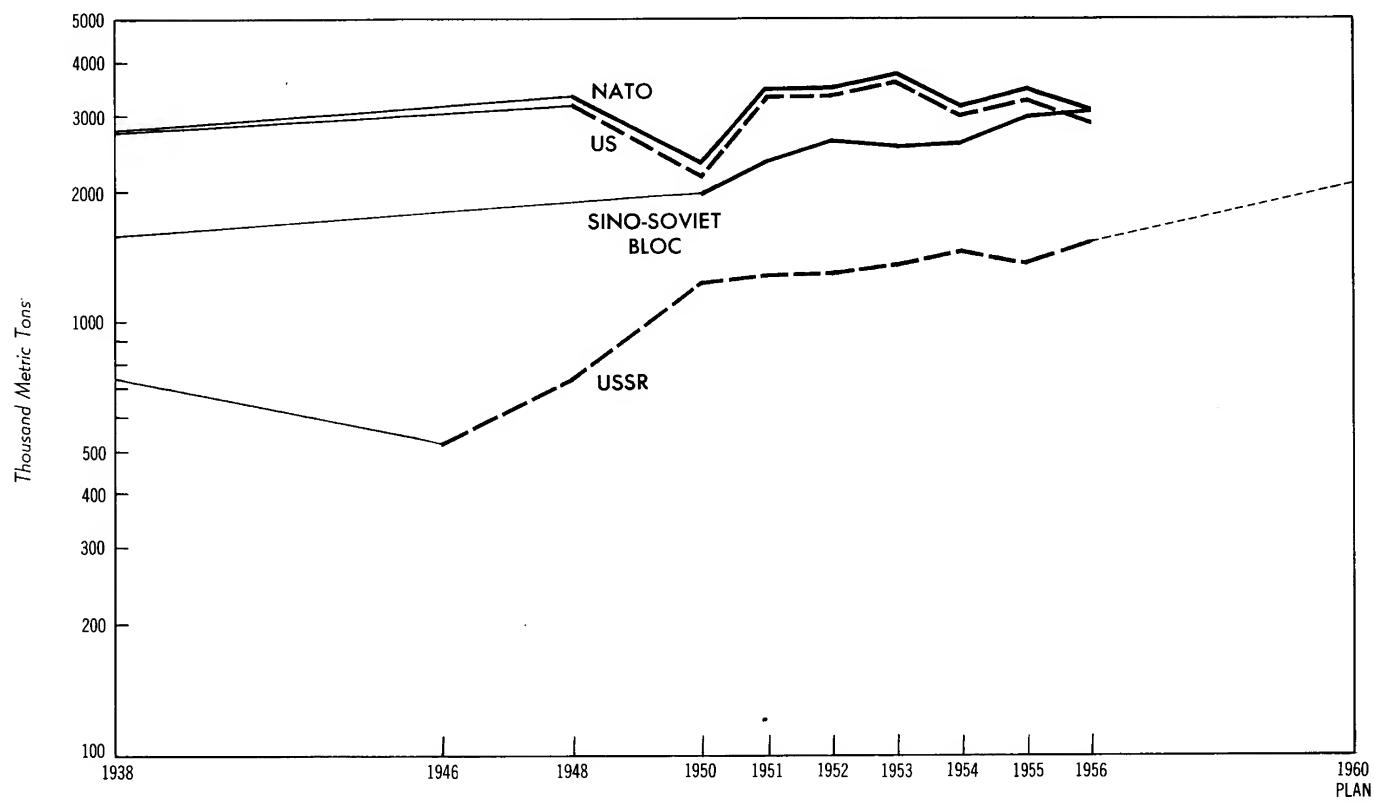
Argentina.....	162	178	New Zealand.....	210	216	Uruguay.....	89.0	81.7
Australia.....	634	695	Spain.....	36.0	38.6	Yugoslavia.....	16.2	16.3
India.....	32.7	32.7	Union of South Africa <sup>f</sup>	133	137			
World Total <sup>e</sup> .....	2,120	2,260						

<sup>a</sup> Grease basis.<sup>b</sup> Excluding Belgium, Denmark, Iceland, and Luxembourg.<sup>c</sup> Preliminary; not strictly comparable to previous data.<sup>d</sup> Excluding Tibet, Inner Mongolia, Sikang, and Sinkiang.<sup>e</sup> 1931-37 average.<sup>f</sup> Including the Union of South Africa, Union Protectorate, and South West Africa. Production of karakul wool is excluded.<sup>g</sup> Estimated.

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Figure 9

COMPARISON OF PRODUCTION OF GINNED COTTON  
IN SELECTED AREAS, 1938, 1946, 1948, 1950-56, AND 1960 PLAN



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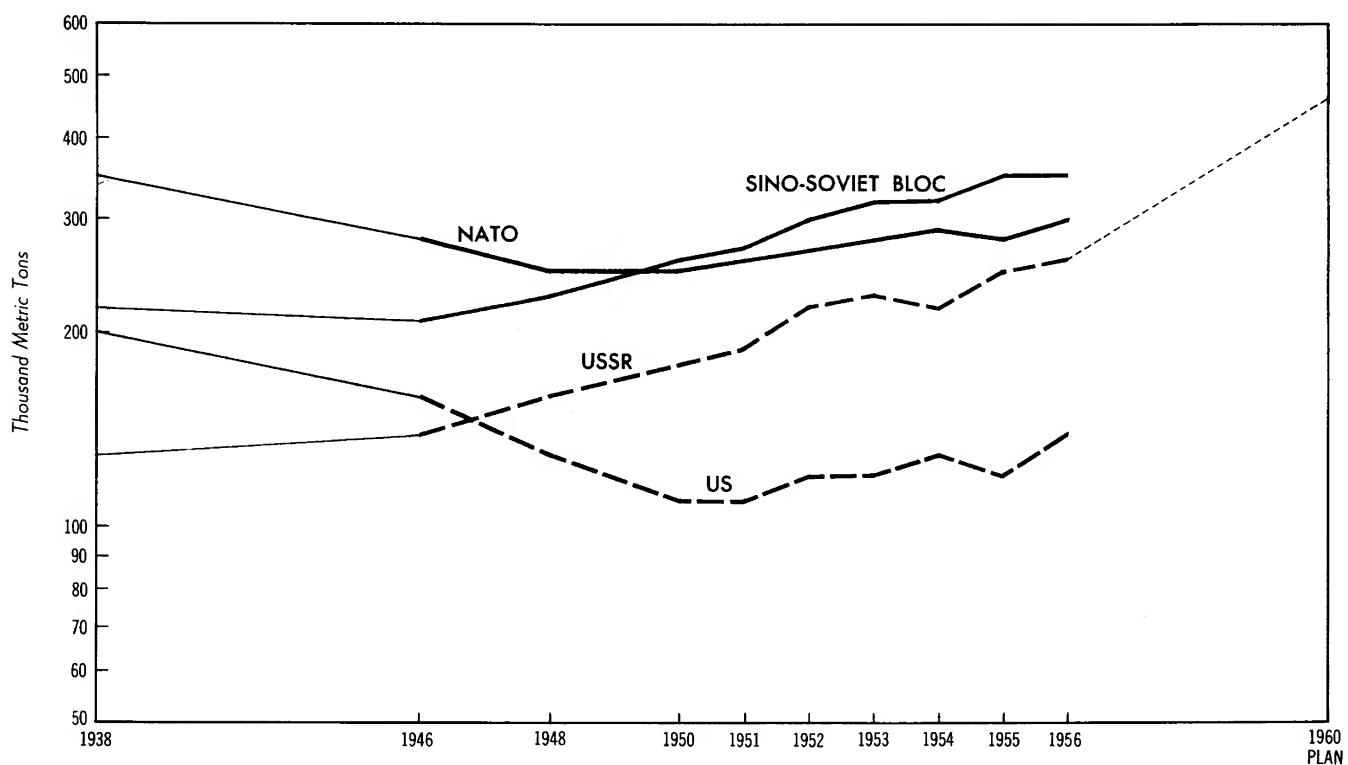
26230 10-57

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Figure 10

**COMPARISON OF PRODUCTION OF WOOL  
IN SELECTED AREAS, 1938, 1946, 1948, 1950-56, AND 1960 PLAN**



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Table 57  
PRODUCTION OF VEGETABLE OILS\* IN THE  
SINO-SOVIET BLOC, 1938, 1950, AND 1954-56

Country	Thousand Metric Tons				
	1938	1950	1954	1955	1956
Sino-Soviet Bloc...	<i>n a</i>	1,920	2,630	2,740	3,160
USSR.....	<sup>b</sup> 540	820	1,280	1,170	1,530
C o m m u n i s t					
China <sup>c</sup> .....	1,680	847	1,080	1,260	1,360
North Vietnam <sup>d</sup> .....	2.24	2.30	<i>n a</i>	<i>n a</i>	<i>n a</i>
European Satel-					
lites <sup>e</sup> .....	<i>n a</i>	254	271	312	265
Albania.....	2.7	2.7	3.0	2.4	3.5
Bulgaria.....	47.0	33.5	32.0	32.0	25.2
Czechoslova-					
kia.....	11.0	13.0	12.1	12.0	12.1
East Ger-					
many.....	<i>n a</i>	49.5	51.8	71.3	64.2
Hungary.....	12.0	54.5	59.4	50.7	43.1
Poland.....	20.0	54.1	50.1	54.5	46.1
Rumania.....	30.0	47.1	63.0	89.0	71.2

\* Edible and nonedible oils.

<sup>b</sup> 1937.<sup>c</sup> Edible only.<sup>d</sup> Including peanut, cotton seed, sesame, and castor oils.<sup>e</sup> 1937-41 average.

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Table 58  
NUMBER OF CATTLE, 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	1956	Million Head *
NATO <sup>b</sup> .....	146	152	175	177	178	178
US.....	66.1	78.0	95.7	96.6	96.8	96.8
Sino-Soviet Bloc.....	127	124	134	138	144	144
USSR.....	59.2	58.1	<sup>d</sup> 64.9	<sup>d</sup> 67.1	<sup>d</sup> 70.4	70.4
Communist China <sup>e</sup> .....	<sup>f</sup> 41.0	41.0	44.0	46.0	48.0	48.0
North Korea.....	<i>n a</i>	0.972	0.513	0.630	0.694	0.694
North Vietnam.....	1.25	0.208	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>
European Satellites.....	25.7	23.5	24.4	24.7	25.2	25.2
Albania.....	0.413	0.416	0.424	0.433	0.436	0.436
Bulgaria.....	<sup>g</sup> 1.51	1.75	1.57	1.60	1.62	1.62
Czechoslovakia.....	4.71	4.21	4.08	4.04	4.11	4.11
East Germany.....	<sup>h</sup> 3.65	3.31	3.80	3.79	3.76	3.76
Hungary.....	1.88	2.22	2.08	2.13	2.17	2.17
Poland.....	9.98	7.20	7.69	7.91	8.35	8.35
Rumania.....	<sup>i</sup> 3.54	4.38	4.77	4.80	4.75	4.75

## NATO COUNTRIES

	1955	1956 *		1955	1956 *		1955	1956 *
Belgium.....	2.25	2.24	Greece <sup>e</sup> .....	0.990	1.03	Turkey.....	11.9	12.0
Canada.....	9.47	9.66	Italy.....	9.03	9.30	UK.....	10.7	10.9
Denmark.....	3.09	3.08	Netherlands <sup>j</sup> .....	3.00	2.95	West Germany.....	11.5	11.6
France.....	17.3	17.6	Norway <sup>i</sup> .....	1.17	1.11			

## OTHER COUNTRIES

Argentina <sup>i</sup> .....	44.0	45.4	Brazil.....	61.4	64.0	Mexico.....	15.0	16.0
Australia.....	15.8	16.5	India <sup>e</sup> .....	209	<i>n a</i>	Yugoslavia.....	5.34	5.29
World Total <sup>k</sup> .....	912	928						

\* Data refer to numbers at the beginning of the year unless otherwise noted.

<sup>b</sup> Excluding Iceland, Luxembourg, and Portugal. Data are end of year (October to December) unless otherwise noted and are included as the following year for comparisons and totals.

<sup>c</sup> Preliminary.

<sup>d</sup> 1 October census.

<sup>e</sup> Including carabao.

<sup>f</sup> 1937.

<sup>g</sup> 1939.

<sup>h</sup> Prewar average.

<sup>i</sup> 1935-37 average.

<sup>j</sup> Estimated as of spring and early summer.

<sup>k</sup> Estimated.

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Table 59  
NUMBER OF HOGS, 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	1956	Million Head
NATO <sup>a</sup> .....	92.3	95.1	89.1	97.3	<sup>b</sup> 98.3	
US.....	44.2	58.9	45.1	50.5	<sup>b</sup> 55.2	
Sino-Soviet Bloc.....	129	120	164	161	180	
USSR <sup>c</sup> .....	31.6	22.2	51.1	52.2	56.5	
Communist China.....	<sup>d</sup> 70.0	70.7	8.0	72.0	85.3	
North Korea.....	<sup>n a</sup>	0.926	0.630	0.697	0.934	
North Vietnam.....	<sup>e</sup> 2.1	0.143	<sup>n a</sup>	<sup>n a</sup>	<sup>n a</sup>	
European Satellites <sup>f</sup> .....	25.3	26.2	31.8	35.7	37.5	
Albania.....	0.015	0.030	0.065	0.086	0.082	
Bulgaria.....	<sup>g</sup> 0.752	1.32	1.44	1.32	1.41	
Czechoslovakia.....	3.54	4.22	4.17	4.77	5.28	
East Germany.....	<sup>h</sup> 5.71	3.31	8.21	8.37	9.03	
Hungary <sup>i</sup> .....	3.11	5.54	4.45	5.82	6.06	
Poland <sup>j</sup> .....	9.68	9.35	9.79	10.9	11.6	
Rumania.....	<sup>k</sup> 2.51	2.40	3.65	4.43	4.08	

## NATO COUNTRIES

	1955	1956 <sup>b</sup>		1955	1956 <sup>b</sup>		1955	1956 <sup>b</sup>
Belgium.....	1.33	1.44	Greece.....	0.620	0.621	Norway.....	0.464	0.507
Canada.....	5.42	5.98	Italy.....	3.75	<sup>n a</sup>	UK.....	5.84	5.52
Denmark.....	4.81	4.33	Luxembourg.....	0.117	<sup>n a</sup>	West Germany.....	14.5	14.6
France.....	7.57	7.73	Netherlands.....	2.33	2.45			

## OTHER COUNTRIES

Brazil.....	35.6	36.6	Mexico.....	7.75	7.90	Yugoslavia.....	4.73	4.70
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<sup>a</sup> Excluding Iceland, Portugal, and Turkey; Italy and Luxembourg (1956).<sup>b</sup> Preliminary.<sup>c</sup> Numbers as of 1 January for 1938 and 1950 and as of 1 October 1954-56.<sup>d</sup> 1931-37 average.<sup>e</sup> 1936-38 average.<sup>f</sup> Numbers as of 1 January unless otherwise noted.<sup>g</sup> September 1939 census.<sup>h</sup> 3 December census.<sup>i</sup> 1 March census.<sup>j</sup> June census.<sup>k</sup> 1933-37 average.

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## AGRICULTURE

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Table 60  
NUMBER OF SHEEP, 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	1956	Million Head
NATO *	139	104	113	113	104	
US.....	52.7	29.8	31.4	31.6	31.1	
Sino-Soviet Bloc.....	150	173	207	217	224	
USSR <sup>b</sup> .....	73.1	93.6	118	125	130	
China <sup>c</sup> .....	50.0	52.9	60.0	61.9	63.9	
North Korea <sup>c</sup> .....	<i>n a</i>	0.013	0.061	0.064	0.074	
North Vietnam.....	<sup>d</sup> 0.008	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	
European Satellites <sup>e</sup> .....	26.8	26.1	29.1	29.6	29.6	
Albania.....	1.57	1.64	1.66	1.73	1.75	
Bulgaria.....	<sup>f</sup> 9.94	8.67	7.60	7.70	7.80	
Czechoslovakia.....	0.534	0.48	1.02	1.02	1.00	
East Germany.....	<sup>g</sup> 1.76	0.898	1.55	1.71	1.81	
Hungary.....	1.63	1.05	1.87	1.86	1.93	
Poland <sup>h</sup> .....	1.94	2.20	4.17	4.24	4.24	
Rumania.....	<sup>i</sup> 9.37	11.2	11.2	11.3	11.1	

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium.....	0.164	0.167	Iceland.....	0.635	0.657	Saar.....	0.008	0.007
Canada.....	1.20	1.20	Italy.....	9.04	<i>n a</i>	Turkey.....	26.8	26.4
Denmark.....	0.033	0.033	Luxembourg.....	0.003	0.003	UK.....	22.9	23.6
France.....	8.01	8.22	Netherlands.....	0.381	0.429	West Germany.....	1.23	1.19
Greece.....	8.74	8.97	Norway.....	1.92	1.83			
World Total <sup>j</sup> .....	769	786						

\* Excluding Italy (1956) and Portugal (all years).

b Sheep and goats combined for 1938 and 1950; numbers as of 1 January 1938 and 1950 and as of 1 October 1954-56.

c Including goats.

d 1936-38 average.

e 1 January census unless otherwise noted.

f September census.

g 3 December census.

h Spring census (usually 1 March).

i 1933-37 average.

j Estimated; excluding the USSR.

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AGRICULTURE

Table 61  
PRODUCTION OF INDUSTRIAL WOOD,<sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	Million Solid Cubic Meters	
				1955	1956
NATO <sup>b</sup> .....	279	353	381	406	<i>n a</i>
US.....	<i>n a</i>	<i>n a</i>	249	265	<i>n a</i>
Sino-Soviet Bloc.....	163	212	275	289	299
USSR <sup>c</sup> .....	115	161	206	212	220
Communist China <sup>d</sup> .....	10	10	20	24	26
North Korea.....	<i>n a</i>	1.83	1.75	2.00	2.30
North Vietnam.....	0.385	0.078	<i>n a</i>	<i>n a</i>	<i>n a</i>
European Satellites.....	37.2	38.9	47.4	50.9	50.1
Albania.....	0.02	0.26	0.59	0.66	0.66
Bulgaria.....	0.7	2.0	3.2	3.2	2.4
Czechoslovakia.....	9.5	9.3	9.7	11.9	11.6
East Germany.....	10.0	9.49	8.7	8.26	8.0
Hungary.....	<i>n a</i>	0.5	0.9	1.1	1.1
Poland.....	10.0	10.9	14.4	15.9	15.9
Rumania.....	7.0	6.5	9.9	9.9	10.4
NATO COUNTRIES					
	1954	1955		1954	1955
Belgium.....	1.72	1.82	Italy <sup>e f</sup> .....	3.65	3.79
Canada.....	78.2	82.8	Luxembourg <sup>e</sup> .....	0.079	0.148
Denmark <sup>e</sup> .....	1.19	1.26	Netherlands.....	0.505	0.555
France.....	16.7	16.5	Norway <sup>e</sup> .....	7.48	7.20
Greece.....	0.264	<i>n a</i>			
OTHER COUNTRIES					
Argentina.....	2.29	2.26	Colombia.....	2.30	3.17
Brazil.....	<i>n a</i>	13.7	Finland <sup>e</sup> .....	27.5	24.6
Chile.....	3.07	2.74	Spain <sup>e</sup> .....	2.91	2.93
World Total.....	785	822			

<sup>a</sup> Including wood not used as fuel.<sup>b</sup> Excluding Iceland (all years) and Greece (1955).<sup>c</sup> Production from all forests, state and collective.<sup>d</sup> Excluding Tibet.<sup>e</sup> 1953/54 and 1954/55.<sup>f</sup> Excluding fellings outside the forests, estimated at about 9 million cubic meters for Italy and 125 thousand cubic meters for Switzerland annually.<sup>g</sup> 1954/55 and 1955/56.

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## AGRICULTURE

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Table 62  
FISH CATCH,<sup>a</sup> 1938, 1950, AND 1954-56

Country	Thousand Metric Tons				
	1938	1950	1954	1955	1956
NATO <sup>b</sup> .....	7,630	8,280	8,840	8,420	n a
US <sup>c</sup> .....	2,250	2,590	2,150	2,090	n a
Sino-Soviet Bloc.....	n a	n a	4,950	5,830	6,820
USSR <sup>d</sup> .....	1,540	1,760	2,500	2,740	2,850
Communist China.....	* 1,480	911	2,000	2,400	* 3,000
North Korea.....	n a	440	236	317	* 550
North Vietnam.....	n a	n a	n a	152	170
European Satellites.....	n a	n a	205	220	245
Albania.....	n a	n a	n a	2.6	3.0
Bulgaria.....	n a	n a	5.0	4.0	4.0
Czechoslovakia.....	n a	n a	5.0	5.0	5.0
East Germany.....	18.0	34.0	63.0	69.0	75.0
Hungary.....	n a	4.0	5.5	6.0	6.0
Poland <sup>e</sup> .....	n a	66.2	100	107	122
Rumania.....	n a	20.0	26.8	26.8	29.5

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	66	73	Iceland.....	384	407	Portugal.....	307	287
Canada.....	941	865	Italy.....	198	n a	Turkey.....	119	112
Denmark.....	353	418	Netherlands.....	301	276	UK.....	980	1,000
France.....	445	459	Norway.....	1,900	1,640	West Germany.....	642	734
Greece.....	53	60						

## OTHER COUNTRIES

India.....	854	864	Spain.....	578	676	Union of South Africa.....	601	572
Japan.....	4,540	4,890						

<sup>a</sup> Landed weight.<sup>b</sup> Excluding Luxembourg (all years) and Italy (1955). The 1938 total includes all Germany.<sup>c</sup> Including Alaska.<sup>d</sup> Including marine animals and whales.<sup>e</sup> Prewar average.<sup>f</sup> Plan figure.<sup>g</sup> Including salt water catch only.

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PROCESSED FOODS

Table 63  
PRODUCTION OF MEAT,\* 1938, 1946, 1948, 1950-56, AND 1960 PLAN

Country	1938	1946	1948	1950	1951	1952	1953	1954	1955	1956	1960 Plan	
NATO <sup>b</sup> .....	14,900	15,700	15,100	17,300	18,100	19,200	20,800	21,800	22,900	23,400	.....	
US.....	7,340	10,400	9,730	10,000	9,940	10,500	11,200	11,500	12,200	12,700	.....	
Sino-Soviet Bloc.....	12,400	8,340	9,400	10,900	10,800	11,600	12,200	12,500	12,600	13,300	n a	
USSR <sup>d</sup> .....	4,350	2,530	2,660	3,350	3,220	3,550	4,020	4,330	4,360	4,470	20,000- 21,000	
Communist China.....	5,270	4,760	5,340	5,210	5,360	5,510	5,660	5,820	5,530	5,920	6,760	
North Korea <sup>c</sup> .....	n a	33.0	16.6	n a	n a	19.3	19.6	n a	n a	10	n a	
North Vietnam <sup>f</sup> .....	* 122	n a	n a	25.0	25.0	n a	n a	n a	n a	n a	n a	
European Satellites.....	2,630	1,020	1,380	2,370	2,180	2,480	2,510	2,360	2,690	2,920	n a	
Albania.....	12.5	8.0	9.0	7.0	7.0	12.0	13.5	14.7	15.5	15.7	n a	
Bulgaria.....	153	76	100	115	110	121	101	114	121	139	n a	
Czechoslovakia.....	b 393	291	263	377	351	540	434	348	374	417	n a	
East Germany.....	845	185	229	428	490	556	600	533	614	640	n a	
Hungary.....	n a	84	137	343	213	263	284	215	266	315	n a	
Poland.....	927	219	420	858	779	737	817	807	894	947	n a	
Rumania.....	295	154	222	239	229	246	257	325	402	442	n a	
NATO COUNTRIES												
	1955	1956 <sup>c</sup>					1955	1956 <sup>c</sup>			1955	1956 <sup>c</sup>
Belgium.....	391	395	Greece.....				105	105	Portugal.....		169	166
Canada.....	1,060	1,120	Italy.....				830	921	Turkey.....		315	n a
Denmark.....	660	642	Netherlands.....				558	564	UK.....		1,600	1,680
France.....	2,470	2,540	Norway.....				123	118	West Germany.....		2,400	2,430
OTHER COUNTRIES												
Argentina.....	2,450	2,890	Mexico.....				526	548	Uruguay.....		262	280
Australia.....	1,250	1,190	New Zealand.....				620	652	Yugoslavia.....		481	505
Brazil.....	1,460	1,440	Union of South Africa.....				440	470				

\* Carcass weight basis; including beef, veal, pork, mutton, lamb, goat, carabao, and horse meat where produced but excluding edible offal, lard, rabbit, and poultry meat.

<sup>b</sup> Excluding Iceland and Luxembourg; Turkey (1956).

<sup>c</sup> Preliminary.

<sup>d</sup> Also including poultry meat and slaughter fats.

<sup>e</sup> Beef, veal, and pork only.

<sup>f</sup> Beef, carabao, and pork only.

\* 1935-39 average.

<sup>g</sup> 1939.

## PROCESSED FOODS

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Table 64  
PRODUCTION OF SUGAR,<sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Thousand Metric Tons	
					1956	1956
NATO <sup>b</sup> .....	6,560	7,690	8,190	8,380	8,250	
US.....	2,160	2,340	2,410	2,090	2,210	
Sino-Soviet Bloc.....	<sup>c</sup> n a	5,780	6,630	7,290	7,880	
USSR.....	2,520	2,520	2,610	3,420	4,350	
Communist China.....	<sup>d</sup> 400	376	810	840	870	
North Vietnam <sup>e</sup> .....	<sup>f</sup> 22.8	27.7	<sup>g</sup> n a	<sup>g</sup> n a	<sup>g</sup> n a	
European Satellites.....	<sup>g</sup> n a	2,860	3,210	3,030	2,660	
Albania.....	0	0.6	9	13	12	
Bulgaria.....	<sup>g</sup> n a	45	55	62	79	
Czechoslovakia.....	725	782	790	732	659	
East Germany.....	<sup>g</sup> n a	780	824	720	600	
Hungary.....	123	199	271	276	269	
Poland.....	<sup>g</sup> n a	955	1,130	1,070	862	
Rumania.....	<sup>g</sup> 84	95	134	159	184	

## NATO COUNTRIES

	1955	1956 <sup>c</sup>		1955	1956 <sup>c</sup>		1955	1956 <sup>c</sup>
Belgium.....	387	318	France.....	1,630	1,470	Turkey.....	283	414
Canada.....	129	118	Italy.....	1,200	998	UK.....	678	726
Denmark.....	275	331	Netherlands.....	426	372	West Germany.....	1,290	1,300

OTHER COUNTRIES<sup>h</sup>

Argentina.....	623	816	Hawaii.....	998	1,090	Philippines.....	1,110	1,100
Australia.....	1,160	1,160	India.....	2,120	2,240	Puerto Rico.....	1,040	1,090
Brazil.....	2,240	2,440	Indonesia.....	851	816	Taiwan.....	794	816
Colombia.....	284	286	Mexico.....	789	880	Union of South Africa.	852	794
Cuba.....	4,740	5,170	Pakistan.....	114	113	Venezuela.....	159	200
Egypt.....	313	322	Peru.....	680	689	Yugoslavia.....	130	154
World Total (centrifugal)	38,800	40,300	World Total (noncentrifugal)			World Total (centrifugal and noncen- trifugal)		
Cane.....	23,000	24,300		5,800	5,800		44,600	46,200
Beet.....	15,700	16,000						

<sup>a</sup> Raw value, centrifugal sugar. Refined sugar is equal to approximately 90 percent of raw sugar by weight. Centrifugal sugar, as distinguished from noncentrifugal, includes cane and beet sugar produced by the centrifugal process. Both cane and beet sugar are included where produced.

<sup>b</sup> Excluding Greece, Iceland, Luxembourg, Norway, and Portugal. Years shown are for crop years. Generally the harvest season begins in the fall months of the year shown or in the early months of the following year except in the Southern Hemisphere, where the season begins in May or June of the year shown.

<sup>c</sup> Preliminary.

<sup>d</sup> 1937.

<sup>e</sup> Centrifugal and noncentrifugal sugar.

<sup>f</sup> 1937-41 average.

<sup>g</sup> 1935-39 average.

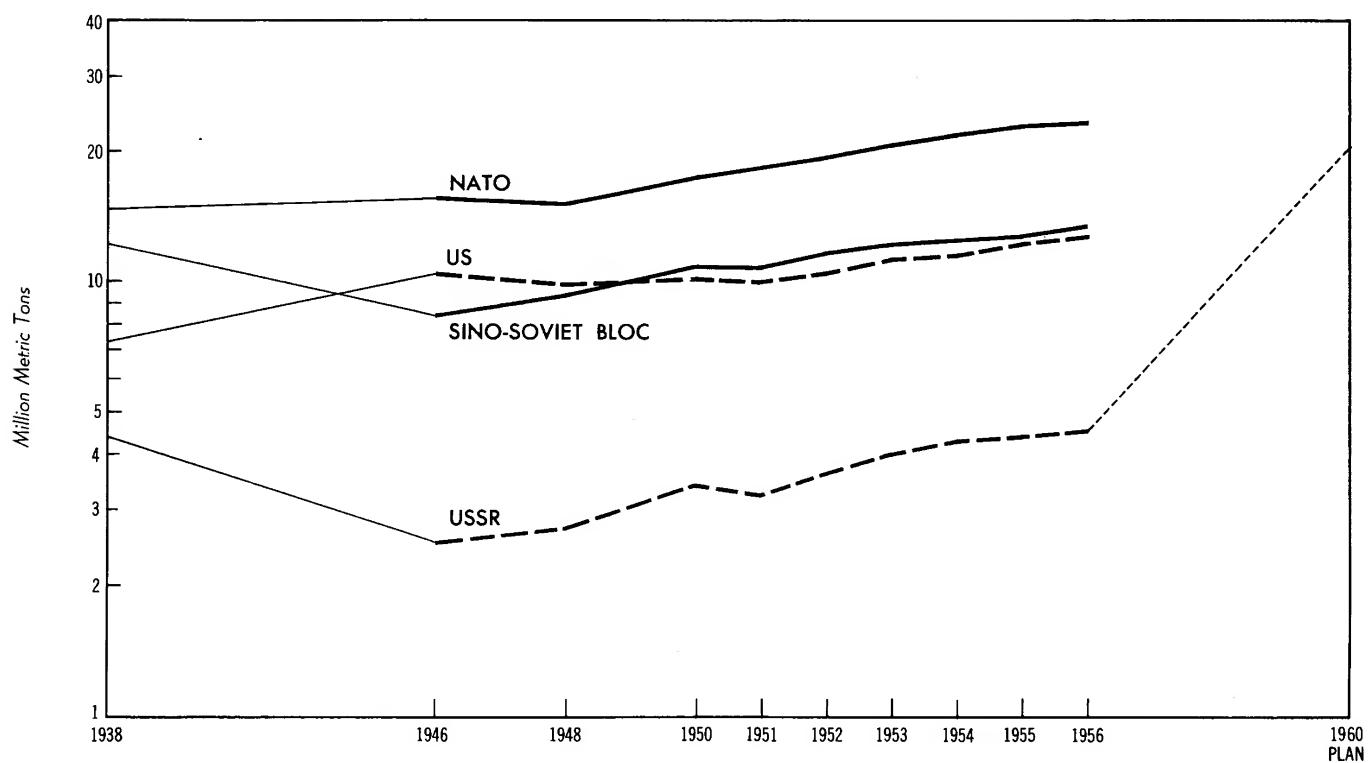
<sup>h</sup> Some countries listed also produce a large amount of noncentrifugal sugar. Noncentrifugal sugar includes all types of sugar produced by other than the centrifugal process. The estimates include such kinds known as piloncillo, panelo, papelon, chancaca, rapadura, jaggery, gur, muscovado, panocha, and the like, used largely for consumption in the relatively few areas where produced:

	Noncentrifugal Sugar	
	1955	1956
Colombia.....	553	553
India.....	2,410	2,360
Indonesia.....	249	249
Pakistan.....	1,180	1,180
World Total.....	5,790	5,850

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Figure 11

COMPARISON OF PRODUCTION OF MEAT  
IN SELECTED AREAS, 1938, 1946, 1948, 1950-56, AND 1960 PLAN



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PROCESSED FOODS

Table 65  
PRODUCTION OF MILK,<sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Thousand Metric Tons	
					1956	1956
NATO <sup>b</sup> .....	<sup>c</sup> 114,000	<i>n a</i>	127,000	127,000	<sup>d</sup> 129,000	
US.....	<sup>c</sup> 47,600	<i>n a</i>	55,500	56,900	<sup>d</sup> 57,000	
Sino-Soviet Bloc.....	<i>n a</i>	48,900	55,900	60,300	65,800	
USSR.....	34,100	31,200	33,700	37,200	43,400	
North Korea.....	<i>n a</i>	Negl.	Negl.	Negl.	Negl.	
European Satellites.....	<i>n a</i>	17,700	22,200	23,100	22,400	
Albania.....	13.0	<i>n a</i>	<i>n a</i>	13.6	13.6	
Bulgaria.....	<sup>e</sup> 454	547	438	399	434	
Czechoslovakia.....	<sup>f</sup> 4,690	2,690	3,170	3,410	3,460	
East Germany <sup>g</sup> .....	<i>n a</i>	3,580	5,190	5,530	5,400	
Hungary.....	1,540	1,450	1,450	1,530	1,420	
Poland.....	<sup>h</sup> 10,000	7,760	9,330	9,620	9,600	
Rumania.....	<i>n a</i>	1,670	2,580	2,610	2,090	

## NATO COUNTRIES

	1955	1956 <sup>d</sup>		1955	1956 <sup>d</sup>		1955	1956 <sup>d</sup>
Belgium.....	3,700	3,710	France.....	18,300	18,500	Norway.....	1,640	1,710
Canada.....	7,850	7,850	Greece.....	320	322	UK.....	10,800	11,700
Denmark.....	5,120	5,060	Netherlands...	5,700	5,810	West Germany...	16,900	17,000

<sup>a</sup> Whole milk from cows unless otherwise noted.<sup>b</sup> Excluding Iceland, Portugal, and Turkey; Italy and Luxembourg (1954-56).<sup>c</sup> 1934-38 average.<sup>d</sup> Preliminary.<sup>e</sup> 1933-37 average.<sup>f</sup> 1937.<sup>g</sup> Including milk from goats.<sup>h</sup> Prewar boundaries.

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## PROCESSED FOODS

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Table 66  
PRODUCTION OF FLOUR,<sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Million Metric Tons	
					1956	
NATO <sup>b</sup> .....	20.5	21.7	22.1	21.8	<i>n a</i>	
US <sup>d</sup> .....	9.12	10.2	10.1	10.2	<i>n a</i>	
Sino-Soviet Bloc.....	<i>n a</i>	63.4	70.6	71.0	<i>n a</i>	
USSR <sup>c</sup> .....	37.7	37.2	40.0	40.7	41.4	
Communist China.....	<sup>f</sup> 16.7	14.5	18.4	17.4	<i>n a</i>	
European Satellites.....	<i>n a</i>	11.7	12.2	12.9	12.6	
Albania.....	<sup>g</sup> 0.034	<i>n a</i>	0.124	0.125	0.126	
Bulgaria.....	<i>n a</i>	1.28	1.31	1.37	1.34	
Czechoslovakia.....	<i>n a</i>	1.78	1.60	1.72	1.75	
East Germany.....	<i>n a</i>	2.05	1.82	1.95	1.90	
Hungary <sup>h</sup> .....	1.65	1.34	1.43	1.38	1.40	
Poland.....	<i>n a</i>	3.85	4.40	4.49	4.62	
Rumania.....	<sup>i</sup> 1.30	1.44	1.54	1.84	1.44	

## NATO COUNTRIES

	1954	1955 <sup>c</sup>		1954	1955 <sup>c</sup>		1954	1955 <sup>c</sup>
Belgium.....	0.771	0.764	Greece.....	1.16	1.18	Portugal <sup>j</sup> .....	0.365	<i>n a</i>
Canada.....	1.89	1.80	Netherlands <sup>i</sup> .....	0.743	0.705	UK.....	3.88	3.83
Denmark.....	0.196	0.187	Norway.....	0.166	<i>n a</i>	West Germany.....	2.86	3.12

<sup>a</sup> Data refer to wheat and rye flour produced by private and nationalized mills and by home grinding except Free World data, which include only wheat flour.

<sup>b</sup> Excluding France, Iceland, Italy, Luxembourg, and Turkey; Norway and Portugal (1955).

<sup>c</sup> Preliminary.

<sup>d</sup> Based on monthly reports from industries accounting for 90 to 98 percent of total production.

<sup>e</sup> Including meal.

<sup>f</sup> 1931-37 average.

<sup>g</sup> 1935-37 average.

<sup>h</sup> Commercial production of the food industries.

<sup>i</sup> 1935-39 average.

<sup>j</sup> Including mixed grains.

Table 67  
PRODUCTION OF ANIMAL FATS,<sup>a</sup> IN THE SINO-SOVIET BLOC, 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Thousand Metric Tons	
					1956	
Sino-Soviet Bloc.....	1,110	1,040	1,250	1,340	1,400	
USSR <sup>b</sup> .....	542	365	530	540	560	
European Satellites.....	572	674	718	803	840	
Albania.....	3.2	<sup>b</sup> 2.0	<sup>b</sup> 2.0	3.4	3.4	
Bulgaria.....	39.7	22.5	23.0	22.3	23.9	
Czechoslovakia.....	<sup>c d</sup> 14.3	91.2	88.0	92.2	102	
East Germany.....	<sup>e</sup> 227	112	205	226	228	
Hungary.....	<sup>e</sup> 10.1	94.4	76.4	101	106	
Poland.....	<sup>b</sup> 222	305	256	277	294	
Rumania.....	<sup>b</sup> 55.0	47.9	68.4	80.6	82.9	

<sup>a</sup> Including slaughter fats and butter.

<sup>b</sup> Slaughter fats only.

<sup>c</sup> Butter only.

<sup>d</sup> 1937.

<sup>e</sup> 1936 for butter and 1934-38 average for slaughter fats.

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PROCESSED FOODS

Table 68  
DAILY FOOD AVAILABILITY PER CAPITA, PREWAR AND 1953-1956

Country	Prewar	Calories per day		
		1953/54	1954/55	1955/56
NATO <sup>a</sup> .....	2,450-3,420	2,360-3,280	2,550-3,370	<sup>b</sup> 2,560-3,310
US <sup>c</sup> .....	3,150	3,210	3,200	<sup>b</sup> 3,200
Sino-Soviet Bloc.....	1,760-2,970	1,490-3,000	1,780-3,050	1,950-3,200
USSR.....	2,970	3,000	3,050	3,200
Communist China.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	2,215
North Vietnam.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	2,042
European Satellites.....	1,760-2,810	1,490-2,950	1,780-3,040	1,950-2,910
Albania.....	<sup>d</sup> 1,760	1,490	1,780	1,950
Bulgaria.....	<sup>d</sup> 2,420	2,340	2,510	2,540
Czechoslovakia.....	<sup>d</sup> 2,510	2,540	2,470	2,640
East Germany.....	<sup>e</sup> 2,810	2,500	2,510	2,510
Hungary.....	<sup>d</sup> 2,630	2,590	2,630	2,650
Poland.....	<sup>f</sup> 2,780	2,950	3,040	2,910
Rumania.....	<sup>d</sup> 2,610	2,240	2,390	2,540

## NATO COUNTRIES

	1954/55	1955/56 <sup>b</sup>		1954/55	1955/56 <sup>b</sup>		1954/55	1955/56 <sup>b</sup>
Belgium <sup>a</sup> .....	2,980	2,990	Greece.....	2,560	2,590	Turkey.....	2,670	2,670
Canada.....	<sup>b</sup> 3,120	<i>n a</i>	Italy.....	2,550	2,560	UK.....	3,270	3,210
Denmark.....	3,370	3,310	Netherlands.....	2,960	2,970	West Germany...	2,950	2,970
France.....	2,860	<i>n a</i>	Norway.....	3,130	3,160			

## OTHER COUNTRIES

Brazil.....	<sup>b</sup> 2,840	<i>n a</i>	India.....	1,850	<i>n a</i>	Japan.....	2,220	<i>n a</i>
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<sup>a</sup> Excluding Iceland. Portugal is included for 1953/54 only, and its presence accounts for the lowered minimum figure for that year. The 1955/56 range is incomplete (see individual country listing).

<sup>b</sup> Preliminary.

<sup>c</sup> Calendar years 1938, 1953, 1954, and 1955.

<sup>d</sup> 1933-37 average.

<sup>e</sup> 1935-38 average.

<sup>f</sup> 1934-38 average.

<sup>g</sup> Including Luxembourg.

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CONSUMER INDUSTRY

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Table 69  
PRODUCTION OF COTTON YARN,<sup>a</sup> 1938, 1946, 1948, AND 1950-56

Country	Thousand Metric Tons									
	1938	1946	1948	1950	1951	1952	1953	1954	1955	1956
NATO <sup>b</sup> .....	2,540	2,780	2,940	3,340	3,500	3,100	3,250	3,210	3,200	3,130
US.....	1,110	1,850	1,720	1,820	1,890	1,740	1,760	1,610	1,710	1,690
Sino-Soviet Bloc <sup>d</sup> .....	1,290	n a	1,140	1,430	1,670	1,920	2,070	2,230	2,220	2,390
USSR.....	529	320	540	662	820	870	920	980	1,040	970
Communist China.....	394	240	335	438	487	656	745	834	720	943
North Korea.....	n a	0.5	1.4	n a	n a	n a	3.4	5.4	9.6	14.6
North Vietnam.....	• 10.0	n a	n a	3.6	2.7	3.8	n a	n a	1.0	5.0
European Satellites.....	357	n a	264	327	360	391	404	414	450	454
Bulgaria.....	f 20.0	n a	24.6	25.4	30.6	38.6	42.3	45.6	49.0	54.4
Czechoslovakia.....	• 89	n a	68	88	94	92	85	85	88	86
East Germany.....	h 133	n a	45	60	70	83	92	88	105	110
Hungary.....	21	n a	23	32.8	37.9	43.9	42.7	44.9	47.2	37.8
Poland.....	• 77.5	n a	82	92.1	94.2	95.1	104	109	115	116
Rumania.....	16.5	n a	21.4	28.3	33.4	38.6	38.7	41.3	46.0	49.5

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium.....	108	108	Italy.....	148	154	Turkey.....	44.2	n a
Canada.....	72	71.9	Netherlands.....	70	70	UK.....	358	318
Denmark.....	7.4	n a	Norway.....	2.8	2.6	West Germany <sup>c</sup> .....	373	396
France <sup>a</sup> .....	265	281	Portugal.....	41.2	36			

## OTHER COUNTRIES

Austria.....	23.5	24.1	Japan.....	419	493	Spain.....	53.0	55.4
Egypt.....	73.1	75.0	Pakistan.....	125	100	Yugoslavia.....	38.2	39.5
India.....	739	758						

<sup>a</sup> Including mixed yarns and yarn obtained from cotton waste. Data for France and Germany include some rayon, staple fibre yarn, and the like which are produced by the cotton industry.

<sup>b</sup> Excluding Iceland and Luxembourg; Greece (1955-56); Denmark and Turkey (1956).

<sup>c</sup> Estimated from raw cotton used.

<sup>d</sup> No production in Albania.

<sup>e</sup> Prewar average.

<sup>f</sup> 1939.

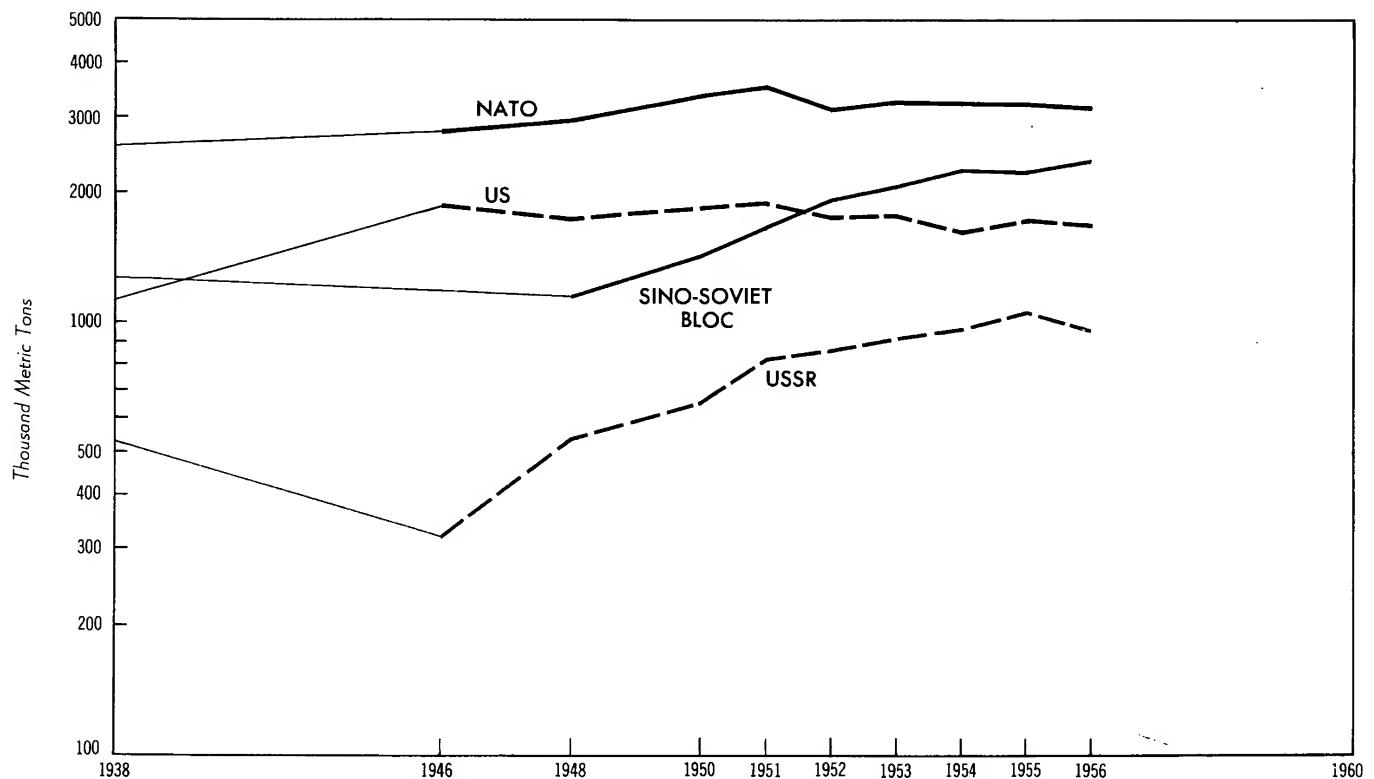
<sup>g</sup> 1937.

<sup>h</sup> 1936.

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Figure 12

**COMPARISON OF PRODUCTION OF COTTON YARN  
IN SELECTED AREAS, 1938, 1946, 1948, AND 1950-56**



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CONSUMER INDUSTRY

Table 70  
WOOL YARN,\* 1938, 1950, AND 1954-56

Country	1938	1950	1954	Thousand Metric Tons	
				1955	1956
NATO <sup>b</sup> .....	780	1,050	960	1,010	<i>n a</i>
US.....	<sup>c</sup> 262	364	253	288	<i>n a</i>
Sino-Soviet Bloc.....	211	206	278	289	303
USSR.....	<sup>c</sup> 76.6	102	160	168	180
Communist China.....	<sup>d</sup> 11.0	2.8	5.5	6.6	9.1
North Vietnam.....	Negl.	Negl.	Negl.	Negl.	Negl.
European Satellites.....	123	102	112	115	114
Czechoslovakia.....	<sup>e</sup> 27	38	28	32	30
East Germany.....	50	10	25	19	19
Hungary.....	12	12	9	12	10
Poland.....	<sup>e</sup> 34.2	41.9	50.1	52.0	54.6

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium.....	41.6	45.4	Italy.....	110	<i>n a</i>	Turkey.....	9.5	<i>n a</i>
Canada <sup>e</sup> .....	20.5	22.7	Netherlands.....	28.8	29.8	UK.....	244	240
Denmark.....	6.91	14.2	Norway.....	7.2	7.7	West Germany.....	115	118
France.....	129	142	Portugal.....	9.2	<i>n a</i>			

## OTHER COUNTRIES

Australia.....	19.3	19.9	Japan.....	83.8	105	Yugoslavia.....	11.2	11.3
----------------	------	------	------------	------	-----	-----------------	------	------

\* Data for the most part refer to production of wool yarn, including mixed yarns. Data for the NATO countries are not strictly comparable, however, because mixed yarns are excluded from the 1956 data and from the 1954-55 data of a few countries.

<sup>b</sup> Excluding Greece (1955), Iceland, and Luxembourg.

<sup>c</sup> 1937.

<sup>d</sup> 1936.

<sup>e</sup> Worsted yarn only, which is about one-third of total output.

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CONSUMER INDUSTRY

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Table 71  
RAYON YARN AND STAPLE,<sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	Thousands Metric Tons	
				1955	1956
NATO <sup>b</sup> .....	585	1,180	1,240	1,370	1,300
US.....	130	571	492	572	521
Sino-Soviet Bloc <sup>d</sup> .....	52.4	156	308	330	364
USSR.....	8.6	24.2	100	110	129
European Satellites.....	43.8	132	208	219	235
Czechoslovakia.....	3.4	26.0	43.2	48.1	49.0
East Germany.....	29.5	86.1	118	119	129
Poland.....	10.1	18.5	45.0	50.4	55.7
Rumania <sup>e</sup> .....	0.8	1.4	1.4	1.5	1.5
NATO COUNTRIES					
	1955	1956 <sup>c</sup>		1955	1956 <sup>c</sup>
Belgium.....	31.9	32.8	Italy.....	131	148
Canada.....	35.6	n a	Netherlands.....	43.9	42.7
France.....	110	106	Norway.....	15.9	n a
UK <sup>b</sup> .....			UK <sup>b</sup> .....	213	219
West Germany.....			West Germany.....	217	229

<sup>a</sup> Including rayon filament yarn and staple fibers.<sup>b</sup> Excluding Denmark, Iceland, and Luxembourg; Greece, Portugal, and Turkey (1955-56); Canada and Norway (1956).<sup>c</sup> Preliminary.<sup>d</sup> No production in Communist China (1938 information not available), North Korea (1938 and 1950 information not available), or North Vietnam.<sup>e</sup> 1937.<sup>f</sup> 1936.<sup>g</sup> Rayon filament yarn only.<sup>h</sup> Including other synthetic yarns and fibers.

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CONSUMER INDUSTRY

Table 72  
PRODUCTION OF LEATHER FOOTWEAR, 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Million Pairs	
					1956	
NATO <sup>a</sup> .....	700	825	860	<sup>b</sup> 886	<i>n a</i>	
US <sup>a</sup> .....	391	522	524	<sup>b</sup> 577	<sup>b</sup> 586	
Sino-Soviet Bloc.....	218	267	352	372	390	
USSR.....	193	203	258	274	288	
Communist China.....	<i>n a</i>	<i>n a</i>	3.0	<i>n a</i>	<i>n a</i>	
North Korea.....	<i>n a</i>	<i>n a</i>	3.6	5.8	<sup>d</sup> 8.7	
North Vietnam.....	Negl.	Negl.	Negl.	Negl.	Negl.	
European Satellites <sup>a</sup> .....	25.2	64.0	87.8	92.2	93.3	
Bulgaria.....	<i>n a</i>	0.9	1.4	1.5	1.6	
Czechoslovakia.....	<i>n a</i>	29.8	22.9	22.5	21.8	
East Germany.....	<sup>e</sup> 15.3	7.96	19.4	17.6	16.8	
Hungary.....	3.5	5.81	10.7	12.4	10.8	
Poland.....	2.8	10.9	23.2	24.6	26.9	
Rumania.....	3.6	8.6	10.2	13.6	15.5	

## NATO COUNTRIES

	1954	1955 <sup>b</sup>		1954	1955 <sup>b</sup>		1954	1955 <sup>b</sup>
Belgium.....	7.98	8.34	Netherlands.....	17.1	17.3	Saar.....	0.455	0.489
Canada.....	36.7	<sup>b</sup> 38.4	Norway.....	4.10	<i>n a</i>	UK.....	92.2	94.0
Denmark.....	4.47	4.49	Portugal.....	2.42	<i>n a</i>	West Germany.....	70.6	80.0
France.....	60.0	66.3						

<sup>a</sup> Excluding Greece, Iceland, Italy, Luxembourg, and Turkey; Norway and Portugal (1955). Data refer to footwear (boots, shoes, sandals, slippers, and sport shoes) with leather, or mainly leather, uppers.

<sup>b</sup> Preliminary.

<sup>c</sup> Including footwear with nonleather, or mainly nonleather, uppers.

<sup>d</sup> Canvas and leather shoes.

<sup>e</sup> Excluding production by private artisans.

<sup>f</sup> 1936.

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Table 73  
PRODUCTION OF SULFURIC ACID,<sup>a</sup> 1938, 1946, 1948, 1950-56, AND 1960 PLAN

Thousand Metric Tons

COUNTRY	1938	1946	1948	1950	1951	1952	1953	1954	1955	1956	1960 PLAN
NATO <sup>b</sup> .....	10,600	13,100	17,200	20,000	21,100	20,600	22,000	23,100	25,500	n a	....
US.....	3,800	8,350	10,400	11,800	12,100	12,100	12,900	12,700	14,300	14,400	....
Sino-Soviet Bloc.....	2,620	1,220	2,400	3,280	3,540	3,970	4,430	5,070	5,790	6,590	n a
USSR.....	1,540	725	1,480	2,120	2,370	2,660	2,920	3,290	3,800	4,320	7,250
Communist China.....	165	n a	n a	72	114	145	197	271	298	410	n a
North Korea.....	n a	108	252	165	Negl.	Negl.	0	3.0	28.0	110	n a
North Vietnam.....	0	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	n a
European Satellites <sup>d</sup> .....	906	385	672	914	1,050	1,160	1,310	1,500	1,660	1,750	n a
Bulgaria.....	0	0	0	Negl.	8.6	13.0	15.1	16.0	20.5	28.6	n a
Czechoslovakia.....	180	113	215	240	280	290	311	341	383	422	n a
East Germany.....	447	125	186	280	363	362	423	531	593	611	n a
Hungary.....	39.9	n a	21.4	58.0	64.5	86.0	126.5	120	124	110	n a
Poland.....	196	124	222	285	277	348	370	419	450	482	n a
Rumania.....	43.0	23.3	27.4	51.6	60.0	59.5	67.3	73.5	92	95	n a

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	966	1,140	Greece.....	99	118	Portugal.....	223	241
Canada.....	838	864	Italy.....	1,840	1,910	Turkey.....	20	17.8
Denmark.....	182	172	Netherlands.....	633	680	UK.....	2,080	2,130
France.....	1,380	1,470	Norway.....	88	94	West Germany.....	2,090	2,280

## OTHER COUNTRIES

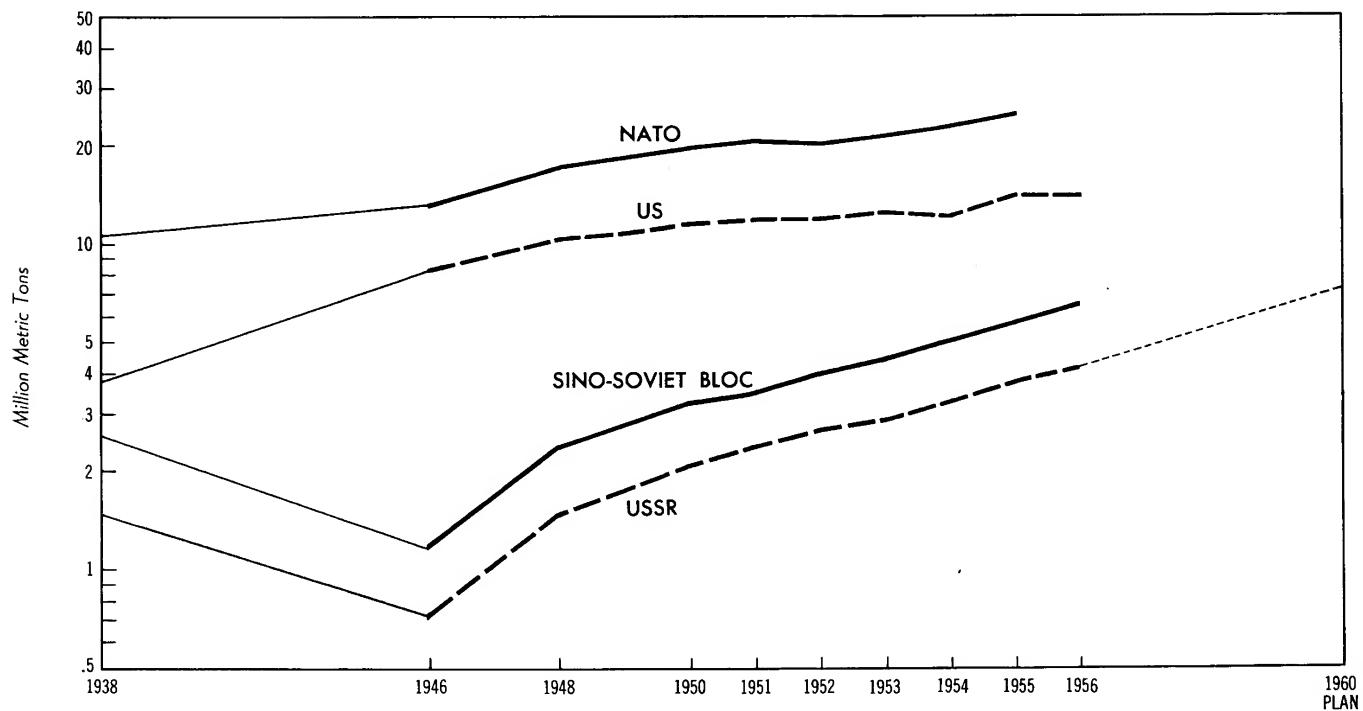
Austria.....	35	69	Japan.....	3,040	3,290	Switzerland.....	120	180
Finland.....	123	124	Spain <sup>e</sup> .....	935	900	Yugoslavia.....	60	73
India.....	153	169	Sweden.....	394	396			
World Total <sup>f</sup> .....	29,500	32,900						

<sup>a</sup> 100 percent acid basis.<sup>b</sup> Excluding Iceland and Luxembourg. Including quantities not commercialized but used on the spot for production of other products.<sup>c</sup> First half year.<sup>d</sup> No production in Albania.<sup>e</sup> Preliminary.<sup>f</sup> Excluding USSR, East Germany, and various other countries for which the strength of the acid is unknown.

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Figure 13

COMPARISON OF PRODUCTION OF SULFURIC ACID  
IN SELECTED AREAS, 1938, 1946, 1948, 1950-56, AND 1960 PLAN



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CHEMICALS

Table 74  
PRODUCTION OF SYNTHETIC AMMONIA,<sup>a</sup> 1938, 1946, 1948, 1950-56, AND 1960 PLAN

COUNTRY	1938	1946	1948	1950	1951	1952	1953	1954	1955	1956	Thousand Metric Tons	
											1960 PLAN	1960 PLAN
NATO <sup>b</sup> .....	488	1,020	1,640	2,800	3,240	3,610	3,920	4,080	4,150	<i>n a</i> .....		
US.....	<sup>c</sup> 232	541	813	1,170	1,310	1,530	1,710	2,030	2,360	2,490	.....	
Sino Soviet Bloc <sup>d</sup> .....	654	<i>n a</i>	604	737	752	814	877	992	1,240	1,410	<i>n a</i>	
USSR.....	<sup>e</sup> 276	214	293	350	371	385	399	455	620	702	1,160	
Communist China.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	10.0	18.0	23.0	36.0	47.0	54.0	75.0	<i>n a</i>	
North Korea.....	<i>n a</i>	30.8	67.0	<sup>f</sup> 46.0	0	0	0	0	5.6	30	<i>n a</i>	
European Satellites.....	378	<i>n a</i>	244	331	364	406	442	490	563	598	<i>n a</i>	
Bulgaria.....	0	<i>n a</i>	0	0	Negl.	17.0	25.6	30.0	32.0	35.0	<i>n a</i>	
Czechoslovakia.....	21.0	<i>n a</i>	25.7	30.0	30.9	35.8	36.8	38.4	42.0	51.1	<i>n a</i>	
East Germany.....	320	62.3	174	242	267	280	298	314	335	343	<i>n a</i>	
Hungary.....	5.4	<i>n a</i>	9.9	12.0	12.0	16.1	16.1	16.1	9.0	10.0	<i>n a</i>	
Poland.....	30.9	<i>n a</i>	34.0	46.0	51.0	54.0	60.4	83.1	137.0	150.0	<i>n a</i>	
Rumania.....	0.6	<i>n a</i>	0.8	1.7	2.3	2.8	5.0	8.1	8.1	9.3	<i>n a</i>	

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	224	209	Italy.....	297	344	UK.....	450	<i>n a</i>
France.....	358	433	Portugal.....	13	1	West Germany.....	708	806

<sup>a</sup> Stated in terms of the nitrogen content. To convert to synthetic ammonia, multiply by 1.2158.

<sup>b</sup> Including France, Italy, and the US; Belgium (except 1938); the Netherlands and Norway (1950-53); Portugal (1952-55); the UK (except 1955); and West Germany (1950-55).

<sup>c</sup> 1939.

<sup>d</sup> No production in North Vietnam or Albania.

<sup>e</sup> 1940.

<sup>f</sup> First half year.

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## CHEMICALS

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Table 75  
PRODUCTION OF NITRIC ACID,<sup>a</sup> 1938, 1950, AND 1954-56

COUNTRY	1938	1950	1954	1955	Thousand Metric Tons	
					1956	
NATO <sup>b</sup> .....	628	2,180	2,930	<sup>d</sup> 2,980	<sup>n a</sup>	
US.....	<sup>e</sup> 160	1,210	1,810	<sup>d</sup> 2,090	<sup>d</sup> 2,180	
Sino-Soviet Bloc <sup>e</sup> .....	374	1,180	1,710	2,240	2,560	
USSR.....	<sup>e</sup> 150	850	1,100	1,500	1,710	
Communist China.....	<sup>n a</sup>	3.0	15.0	20.0	27.0	
North Korea.....	<sup>n a</sup>	<sup>f</sup> 13.9	0	0	0	
European Satellites.....	224	316	591	718	825	
Bulgaria.....	Negl.	Negl.	84.0	90.0	98.0	
Czechoslovakia.....	36.3	45.0	65.0	93.6	136.6	
East Germany.....	164	184	269	276	286	
Hungary.....	15.0	32.0	55.0	30.0	35.0	
Poland.....	8.8	52.0	92.0	200	240	
Rumania.....	0.4	3.5	26.5	29.0	29.0	

## NATO COUNTRIES

	1954	1955 <sup>d</sup>		1954	1955 <sup>d</sup>		1954	1955 <sup>d</sup>
France.....	711	867	Italy.....	395	<sup>n a</sup>	Portugal.....	0.3	0.2
Greece.....	0.4	0.3	Norway.....	16.9	18.7			

## OTHER COUNTRIES

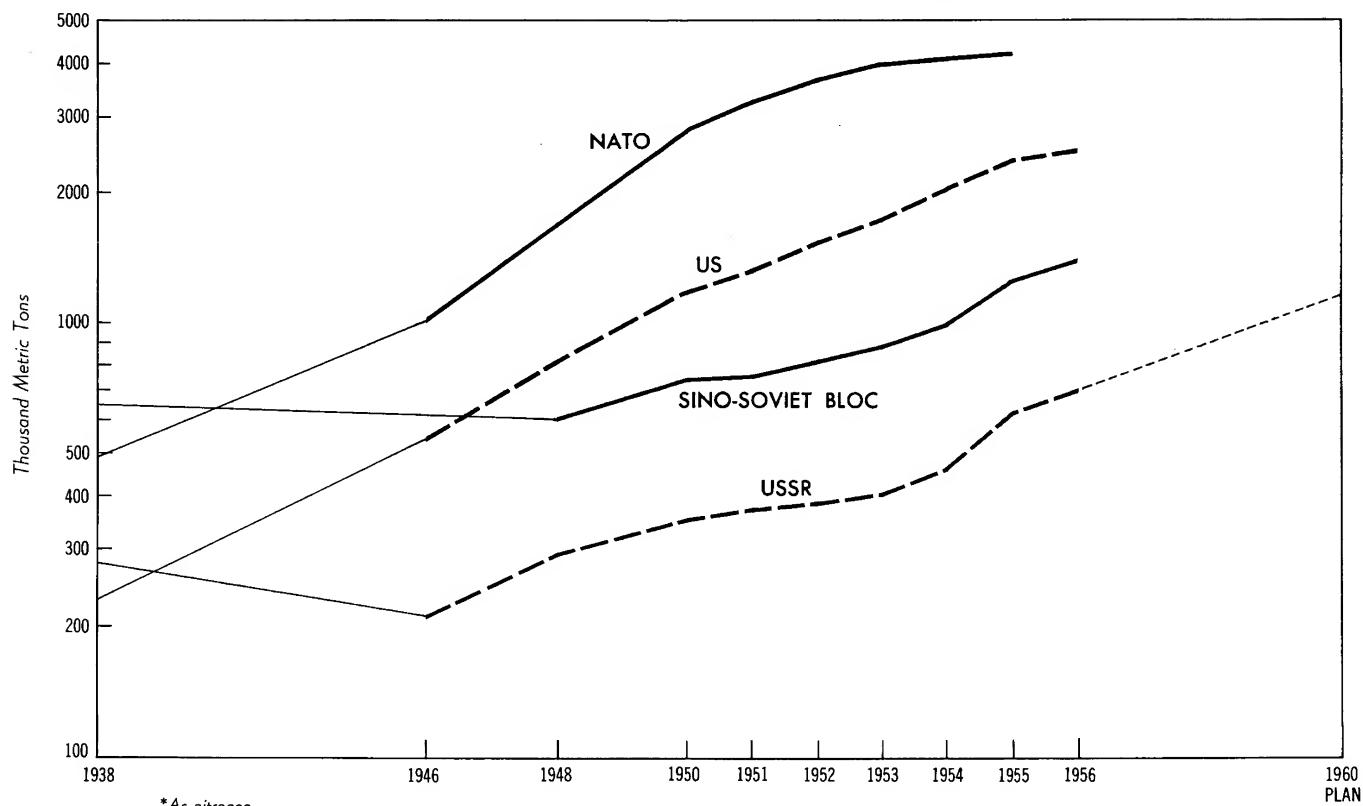
Japan.....	86.9	84.0	Sweden.....	50.9	54.2
------------	------	------	-------------	------	------

<sup>a</sup> 100 percent nitric acid.<sup>b</sup> Including France, Greece, Italy (except 1955), Norway, Portugal, the UK (1950), and the US.<sup>c</sup> 1937.<sup>d</sup> Preliminary.<sup>e</sup> No production in North Vietnam or Albania.<sup>f</sup> First half of year.

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Figure 14

COMPARISON OF PRODUCTION OF SYNTHETIC AMMONIA\*  
IN SELECTED AREAS, 1938, 1946, 1948, 1950-56, AND 1960 PLAN



\*As nitrogen.

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CHEMICALS

Table 76  
PRODUCTION OF SODA ASH, 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Thousand Metric Tons	
					1956	
NATO *	4,460	5,450	6,370	<sup>b</sup> 6,660	<i>n a</i>	
US *	<sup>d</sup> 2,560	3,620	4,260	<sup>b</sup> 4,450	<i>n a</i>	
Sino-Soviet Bloc *	1,320	1,210	2,300	2,660	2,920	
USSR	543	748 <sup>749</sup>	1,312	1,437	1,545	
Communist China	110	112	310	405	500	
North Korea	<i>n a</i>	<i>n a</i>	0	0	0	
European Satellites	698	387	740	890	956	
Bulgaria	0	0	25	50.0	68.0	
Czechoslovakia	100	96.5	96.5	96.5	96.5	
East Germany	496	103	372	458	501	
Poland	85.7	133	188	207	211	
Rumania	16.8	54.2	59.0	78.5	80.0	

## NATO COUNTRIES

	1954	1955 <sup>b</sup>		1954	1955 <sup>b</sup>		1954	1955 <sup>b</sup>
France	662	724	Norway	12.0	12.8	West Germany	935	983
Italy *	482	472	Portugal	13.7	18.9			

## OTHER COUNTRIES

India	49.1	78.5	Spain	103	110	Yugoslavia *	32.4	39.2
Japan <sup>f</sup>	602	645						

\* Including France, Italy, Norway (except 1938), Portugal, the US, and West Germany. The 1938 total includes all Germany. Unless otherwise noted, the data refer to the total production of soda ash (sodium carbonate— $Na_2CO_3$ ), excluding as far as possible, natural sodium carbonate and sodium bicarbonate.

<sup>b</sup> Preliminary.

<sup>c</sup> 98 to 100 percent  $Na_2CO_3$ .

<sup>d</sup> 1939.

<sup>e</sup> 100 percent basis; no production in North Vietnam, Albania, or Hungary.

<sup>f</sup> Finished soda ash made for sale plus crude soda ash consumed by producers in the manufacture of caustic soda.

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CHEMICALS

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Table 77  
PRODUCTION OF CAUSTIC SODA,<sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	Thousand Metric Tons	
				1955	1956
NATO <sup>b</sup> .....	<sup>c</sup> 1,660	3,180	4,360	<sup>d</sup> 4,860	<i>n a</i>
US.....	<sup>e</sup> 948	2,280	3,090	<sup>d</sup> 3,540	<sup>d</sup> 4,350
Sino-Soviet Bloc <sup>f</sup> .....	470	640	1,040	1,190	1,330
USSR.....	176 <sup>177</sup>	325	498	563	631 <sup>633</sup>
Communist China.....	25.0	20.1	116	137	156
North Korea.....	<i>n a</i>	<i>n a</i>	0	3.4	6.1
European Satellites.....	268	294	422	482	536
Bulgaria.....	0	Negl.	Negl.	2.6	10.7
Czechoslovakia.....	27.0	51.5	69.1	71.5	73.5
East Germany.....	195	149	228	257	275
Hungary.....	2.9	6.1	10.0	11.7	10.0
Poland.....	29.8	62.8	85.9	99.6	124
Rumania.....	13.8	25.4	29.8	40.0	42.0

## NATO COUNTRIES

	1954	1955 <sup>d</sup>		1954	1955 <sup>d</sup>		1954	1955 <sup>d</sup>
Canada.....	180	203	Greece.....	0.72	0.72	Portugal.....	11.1	12.0
Denmark.....	2.2	2.0	Italy.....	256	255	Turkey.....	1.9	1.0
France <sup>g</sup> .....	284	256	Norway.....	29.4	35.4	West Germany.....	498	556

## OTHER COUNTRIES

Austria.....	43.8	48.4	Japan.....	445	502	Sweden.....	94.9	99.2
India.....	29.8	34.8	Spain.....	87.2	97.1	Yugoslavia <sup>h</sup> .....	23.4	30.7

<sup>a</sup> 100 percent basis unless otherwise noted.<sup>b</sup> Excluding Belgium, Iceland, Luxembourg, the Netherlands, and the UK.<sup>c</sup> Including only France, Greece, Italy (1939), all Germany, and the US (1939).<sup>d</sup> Preliminary.<sup>e</sup> 1939.<sup>f</sup> No production in North Vietnam or Albania.<sup>g</sup> Solid caustic soda only, which is about two-thirds of total production.<sup>h</sup> 96 to 98 percent caustic soda.

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## CHEMICALS

Table 78  
PRODUCTION OF CHLORINE, 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	1956	Thousand Metric Tons
NATO *	696	2,370	3,220	3,760	<i>n a</i>	
US.....	<sup>b</sup> 467	1,890	2,630	3,090	3,430	
Sino-Soviet Bloc <sup>c</sup> .....	340	388	569	625	697	
USSR.....	85.0	187	285	322	361	
Communist China.....	6.0	12.0	17.0	19.0	26.0	
North Korea.....	<i>n a</i>	<i>n a</i>	0	3.0	5.3	
European Satellites.....	250	189	267	281	305	
Bulgaria.....	0	Negl.	Negl.	Negl.	Negl.	
Czechoslovakia.....	14.0	31.0	44.5	45.5	47.0	
East Germany.....	<sup>b</sup> 226	142	203	212	218	
Hungary.....	2.5	6.0	8.6	10.0	8.6	
Poland.....	4.0	5.1	6.4	8.1	26.0	
Rumania.....	3.0	4.7	5.0	5.0	5.5	

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Denmark.....	2	<i>n a</i>	Italy.....	85	100	West Germany.....	362	404
France.....	140	168						

\* Including Canada (1950), Denmark (1954), France, Italy, the US, and West Germany.

<sup>b</sup> 1939.<sup>c</sup> No production in North Vietnam or Albania.

Table 79  
PRODUCTION OF CALCIUM CARBIDE, 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	1956	Thousand Metric Tons
NATO *	899	1,760	2,080	2,280	<i>n a</i>	
US.....	<i>n a</i>	609	647	794	930	
Sino-Soviet Bloc <sup>b</sup> .....	590	1,210	1,450	1,640	1,720	
USSR.....	80	233	372	410	445	
Communist China.....	<sup>c</sup> 5	6	12	15	18	
North Korea.....	<i>n a</i>	95	34	68	99	
European Satellites.....	505	876	1,030	1,150	1,160	
Bulgaria.....	0.3	2.9	8.6	8.7	9.3	
Czechoslovakia.....	36.0	55.5	67.5	80.0	88.0	
East Germany.....	<sup>d</sup> 390	628	735	814	802	
Hungary.....	5.8	8.5	10.5	11.0	10.0	
Poland.....	67.1	172	181	211	220	
Rumania.....	5.5	9.1	24.7	27.5	30.0	

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
France.....	244	249	Norway.....	42	<i>n a</i>	UK.....	116	133
Italy.....	226	271	Portugal.....	5	8	West Germany.....	804	822

\* Including France, Italy, Norway (except 1955), Portugal, the UK, the US, and West Germany. The 1938 total includes only France, Italy, and Norway.

<sup>b</sup> No production in North Vietnam or Albania.<sup>c</sup> 1936.<sup>d</sup> 1939.

## CHEMICALS

## SECRET

Table 80  
PRODUCTION OF BENZOL,<sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	Thousand Metric Tons	
				1955	1956
NATO <sup>b</sup> .....	<i>n a</i>	640	924	1,140	<i>n a</i>
US.....	<i>n a</i>	618	853	1,020	<i>n a</i>
Sino-Soviet Bloc <sup>c</sup> .....	246	348	509	568	608
USSR.....	<sup>d</sup> 173	224	321	347	380
Communist China.....	<sup>e</sup> 6.9	8.4	29.7	36.3	36.8
North Korea.....	Negl.	Negl.	0	0	0
European Satellites.....	66.0	116	162	184	192
Czechoslovakia.....	23.6	42.5	51.5	61.0	63.5
East Germany.....	9.5	8.5	11.3	11.9	12.1
Hungary.....	0	0.3	4.2	4.2	4.6
Poland.....	32.0	63.0	89.5	105	110
Rumania.....	0.9	1.3	1.7	1.7	1.7

## NATO COUNTRIES

	1954	1955	1954	1955	
France.....	23.0	31.7	West Germany.....	48.0	91.5

<sup>a</sup> Refined.<sup>b</sup> Including France (1951 instead of 1950), the US (all years), and West Germany (1954-55).<sup>c</sup> No production in North Vietnam, Albania, or Bulgaria.<sup>d</sup> 1940.<sup>e</sup> 1936.

Table 81  
PRODUCTION OF TOLUOL, 1938, 1950, AND 1954-56

Country	1938	1950	1954	Thousand Metric Tons	
				1955	1956
NATO <sup>a</sup> .....	<i>n a</i>	279	548	635	<i>n a</i>
US.....	<i>n a</i>	274	520	606	<i>n a</i>
Sino-Soviet Bloc <sup>b</sup> .....	76.5	97.7	132	143	152
USSR.....	<sup>c</sup> 64	77	101	107	115
Communist China.....	1.0	1.2	4.3	5.3	5.3
North Korea.....	Negl.	Negl.	0	0	0
European Satellites.....	11.5	19.5	26.2	30.4	31.9
Czechoslovakia.....	4.4	7.8	9.5	11.2	11.7
East Germany.....	2.4	2.5	3.6	3.8	4.1
Hungary.....	0	Negl.	Negl.	Negl.	Negl.
Poland.....	4.6	9.0	12.8	15.1	15.8
Rumania.....	0.1	0.2	0.3	0.3	0.3

## NATO COUNTRIES

	1954	1955	1954	1955	
France.....	4.64	5.13	West Germany.....	23.2	23.6

<sup>a</sup> Including France (1951 instead of 1950), the US, and West Germany.<sup>b</sup> No production in North Vietnam, Albania, or Bulgaria.<sup>c</sup> 1940.

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CHEMICALS

Table 82  
PRODUCTION OF PHENOL,<sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	Thousand Metric Tons	
				1955	1956
NATO <sup>b</sup> .....	<i>n a</i>	163	225	<i>n a</i>	<i>n a</i>
US.....	<i>n a</i>	132	184	<i>n a</i>	<i>n a</i>
Sino-Soviet Bloc <sup>c</sup> .....	21.4	33.2	57.3	69.3	81.8
USSR.....	<sup>d</sup> 19.1	21.2	33.6	43.0	52.5
Communist China.....	0.2	0.2	0.9	1.1	1.1
North Korea.....	Negl.	Negl.	0	0	0
European Satellites.....	2.1	11.8	22.8	25.2	28.2
Czechoslovakia.....	1.1	4.3	4.9	5.3	5.5
East Germany.....	<i>n a</i>	5.2	11.4	12.7	14.9
Hungary.....	0	0.3	0.4	0.4	0.5
Poland.....	1.0	2.0	6.1	6.8	7.3

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
France.....	20.0	27.8	UK <sup>e</sup> .....	13.0	12.0	West Germany <sup>e</sup> .....	8.3	9.8

<sup>a</sup> Refined.<sup>b</sup> Including France, Italy (1950), the UK, the US, and West Germany.<sup>c</sup> No production in North Vietnam, Albania, Bulgaria, or Rumania.<sup>d</sup> 1937-1940.<sup>e</sup> Natural phenol.

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## CHEMICALS

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Table 83  
PRODUCTION OF MINERAL FERTILIZERS,<sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	Thousand Metric Tons <sup>b</sup>	
				1955	1956
NATO <sup>c</sup> .....	<i>n a</i>	<i>n a</i>	27,300	<sup>d</sup> 28,100	<sup>d</sup> 28,600
US.....	<i>n a</i>	<i>n a</i>	19,000	<sup>d</sup> 19,300	<sup>d</sup> 19,400
Sino-Soviet Bloc <sup>c</sup> .....	<i>n a</i>	3,190	4,170	4,840	5,130
USSR.....	737	1,240	1,850	2,290	2,610
China.....	<i>n a</i>	16.1	70.3	78.2	106
North Korea.....	<i>n a</i>	48.7	3.3	14.8	39.1
European Satellites.....	1,650	1,890	2,240	2,450	2,380
Bulgaria.....	0	0	27.8	29.7	32.2
Czechoslovakia.....	84.5	94.0	120	159	171
East Germany.....	1,460	1,600	1,820	1,930	1,840
Hungary.....	15.1	39.8	43.8	34.8	37.0
Poland.....	85.8	160	220	286	285
Rumania.....	0.3	0.3	8.1	13.7	16.0

## NATO COUNTRIES

	1955 <sup>d</sup>	1956 <sup>d</sup>		1955 <sup>d</sup>	1956 <sup>d</sup>
Belgium.....	528	580	Iceland.....	6.9	6.0
Canada.....	313	312	Italy.....	747	790
Denmark.....	86	85	Luxembourg.....	115	115
France.....	2,510	2,620	Netherlands.....	448	501
Greece.....	36.9	45.0	Norway.....	211	246
Portugal.....			Turkey.....		
UK.....			UK.....		
West Germany.....			West Germany.....	2,980	3,140

<sup>a</sup> Including nitrogen fertilizers (in terms of nitrogen), phosphate fertilizers (in terms of phosphoric acid), and potassium fertilizers (potassium oxide).

<sup>b</sup> Tonnages given refer to the nutrients expressed as nitrogen, phosphoric acid, and potassium oxide.

<sup>c</sup> Including the following countries for the various types of fertilizers: (<sup>a</sup>) nitrogen: all NATO countries except Denmark, Greece, and Luxembourg; (<sup>b</sup>) phosphoric acid: all NATO countries except Iceland; (<sup>c</sup>) rock phosphate: France (except 1956) and the US; (<sup>d</sup>) ground rock phosphate: France, Italy, the Netherlands, the UK, the US, and West Germany; (<sup>e</sup>) potassium: France, Italy, the US, and West Germany. All data refer to the fertilizer year beginning 1 July of the year indicated and ending 30 June of the next year.

<sup>d</sup> Preliminary.

<sup>e</sup> No production in North Vietnam or Albania.

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## RUBBER INDUSTRY

Table 84  
PRODUCTION OF SYNTHETIC RUBBER, 1938, 1950, AND 1954-56

Country	Thousand Metric Tons				
	1938	1950	1954	1955	1956
NATO *	6.0	543	728	1,100	<sup>b</sup> 1,220
US.....	1.0	484	633	986	<sup>b</sup> 1,100
Sino-Soviet Bloc *	89.9	183	282	312	329
USSR.....	85	143	213	240	281
European Satellites.....	4.9	40.0	69.0	72	73.6
Czechoslovakia.....	0	0.4	0.6	0.6	0.6
East Germany.....	4.9	39.0	67.7	70.7	72.3
Poland.....	0	0.6	0.7	0.7	0.7

## NATO COUNTRIES

	1955	1956		1955	1956
Canada.....	106	123	West Germany.....	11.1	<i>n a</i>

\* Including Canada and the US; West Germany (except 1956). Data refer to copolymers of butadiene with styrene and acrylonitrile and to neoprene and butyl rubber. Latices are included (dry weight).

<sup>b</sup> Preliminary.

\* No production in any of the Sino-Soviet countries which are not listed.

Table 85  
PRODUCTION OF RUBBER TIRES,<sup>a</sup> 1938, 1950, AND 1954-56

Country	Thousand Units				
	1938	1950	1954	1955	1956
NATO <sup>b</sup> .....	<i>n a</i>	<i>n a</i>	<i>n a</i>	158,000	134,000
US.....	40,900	92,800	89,100	112,000	100,000
Sino-Soviet Bloc *	<i>n a</i>	9,690	13,900	14,900	16,700
USSR.....	3,600	7,400	9,280	10,200	11,300
Communist China.....	0	62	701	593	760
European Satellites.....	<i>n a</i>	2,230	3,880	4,150	4,660
Bulgaria.....	<i>n a</i>	42.7	75.0	87.0	98.0
Czechoslovakia.....	500	1,390	1,880	2,000	2,100
East Germany.....	313	394	1,140	1,230	1,480
Hungary.....	<i>n a</i>	106	180	195	180
Poland.....	<i>n a</i>	215	420	425	560
Rumania.....	<i>n a</i>	78.5	189	217	242

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Canada.....	7,380	8,200	UK.....	31,300	25,200	West Germany....	7,100	<i>n a</i>

\* Data for NATO countries refer to all types of tires, but data for Sino-Soviet Bloc countries refer only to motor vehicle tires.

<sup>b</sup> Including Canada, the UK, and the US; West Germany (1955).

\* No production in North Korea, North Vietnam, or Albania.

## ELECTRICAL INDUSTRY

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Table 86

PRODUCTION OF ELECTRIC MOTORS IN THE SINO-SOVIET BLOC,<sup>a</sup> 1938, 1950, AND 1954-56

Thousand Kilowatts

Country	1938	1950	1954	1955	1956
Sino-Soviet Bloc.....	3,950	11,700	17,400	18,900	20,900
USSR.....	<sup>b</sup> 2,300	8,500	10,000	11,000	12,000
Communist China.....	<sup>n a</sup>	200	713	524	750
European Satellites.....	1,650	2,960	6,660	7,350	8,180
Bulgaria.....	Negl.	195	450	470	500
Czechoslovakia.....	<sup>b</sup> 380	1,200	2,300	2,600	3,000
East Germany.....	<sup>c</sup> 1,000	900	1,800	1,900	2,000
Hungary.....	60	320	800	900	980
Poland.....	<sup>d</sup> 200	300	970	1,050	1,200
Rumania.....	<sup>b</sup> 10	45	340	430	500

<sup>a</sup> All sizes.<sup>b</sup> 1937.<sup>c</sup> 1936.<sup>d</sup> 1939.

Table 87

PRODUCTION OF ELECTRIC GENERATORS,<sup>a</sup> 1938, 1950, AND 1954-56

Thousand Kilowatts

Country	1938	1950	1954	1955	1956
US <sup>b</sup> .....	<sup>n a</sup>	<sup>n a</sup>	<sup>n a</sup>	10,500	9,380
Sino-Soviet Bloc.....	1,120	1,980	7,190	8,420	9,620
USSR.....	<sup>b</sup> 720	1,200	4,900	5,800	6,600
Communist China.....	<sup>c</sup> Negl.	Negl.	61.8	108	200
European Satellites.....	395	785	2,230	2,510	2,820
Bulgaria.....	Negl.	7	16	17	19
Czechoslovakia.....	<sup>c</sup> 340	620	900	980	1,000
East Germany.....	<sup>d</sup> 35	50	890	1,000	1,200
Hungary.....	20	100	260	300	340
Poland.....	Negl.	Negl.	15	20	45
Rumania.....	Negl.	8	150	190	220

<sup>a</sup> All sizes.<sup>b</sup> Excluding diesel-electric generators.<sup>c</sup> 1937.<sup>d</sup> 1936.

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ELECTRICAL INDUSTRY

Table 88  
PRODUCTION OF ELECTRON TUBES, 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	1956	Million Units
US *	75	383	400	500	490	
Sino-Soviet Bloc.....	12.6	33.4	84.8	102	122	
USSR.....	<sup>b</sup> 7	25.2	62	76.6	89.6	
European Satellites <sup>c</sup> .....	5.6	8.2	22.8	25.9	32.0	
Czechoslovakia.....	2.4	2.7	5.4	6.0	8.7	
East Germany.....	<i>n a</i>	2.8	10.0	9.6	10.1	
Hungary.....	3.2	2.7	6.9	7.5	8.7	
Poland.....	<i>n a</i>	Negl.	0.5	2.6	4.0	
Rumania.....	Negl.	Negl.	Negl.	0.2	0.5	

\* Including only those tubes manufactured for civilian use.

<sup>b</sup> 1940.<sup>c</sup> No production in Bulgaria.

Table 89  
PRODUCTION OF RADIO RECEIVERS,<sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	1956	Thousand Units
NATO <sup>b</sup> .....	10,500	20,400	17,000	22,000	<i>n a</i>	
US.....	<sup>c</sup> 8,080	14,600	10,400	14,900	14,000	
Sino-Soviet Bloc.....	<i>n a</i>	1,810	4,780	5,720	5,970	
USSR.....	<sup>d</sup> 207	1,040	2,870	3,500	3,600	
European Satellites.....	<i>n a</i>	766	1,910	2,220	2,370	
Bulgaria.....	<i>n a</i>	7.1	83.0	125	160	
Czechoslovakia.....	<i>n a</i>	245	340	374	400	
East Germany.....	<i>n a</i>	277	897	763	810	
Hungary.....	<i>n a</i>	100	182	373	400	
Poland.....	145	112	308	460	460	
Rumania.....	<i>n a</i>	25.0	100	125	140	

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Canada.....	457	572	France.....	1,200	1,230	UK.....	1,970	2,080
Denmark.....	87	<sup>e</sup> 83	Norway.....	74	<i>n a</i>	West Germany.....	2,850	3,130

<sup>a</sup> Civilian radio receivers.<sup>b</sup> Including Canada, Denmark, France, Norway (except 1955), the UK, the US, and West Germany. The 1938 total includes 1937 data for Canada, the UK, and the US and 1938 data for Denmark and Norway.<sup>c</sup> 1937.<sup>d</sup> 1940.<sup>e</sup> Preliminary.

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ELECTRICAL INDUSTRY

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Table 90  
PRODUCTION OF TELEVISION RECEIVERS, 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Thousand Units	
					1956	1956
NATO *	6	8,040	9,400	10,700	<i>n a</i>	
US	<sup>b</sup> 3	7,460	7,350	7,760	7,390	
Sino-Soviet Bloc	<i>n a</i>	<i>n a</i>	340	606	776	
USSR	<sup>c</sup> 0.1	10.0	284	550	700	
European Satellites	<i>n a</i>	Negl.	55.5	55.8	76.0	
Bulgaria	Negl.	Negl.	Negl.	Negl.	Negl.	
Czechoslovakia	<i>n a</i>	Negl.	15.0	17.2	32.0	
East Germany	<i>n a</i>	Negl.	40.5	38.6	40.0	
Hungary	<i>n a</i>	<i>n a</i>	<i>n a</i>	Negl.	2.0	
Poland	<i>n a</i>	<i>n a</i>	<i>n a</i>	Negl.	2.0	
Rumania	Negl.	Negl.	Negl.	Negl.	Negl.	

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Canada	596	852	France	123	187	West Germany	129	316
Denmark	2	12	UK	1,210	1,620			

\* Including Canada, Denmark (1954-55), France, the UK, the US, and West Germany (1954-55). The 1938 total includes 1937 data for the UK and 1939 data for the US.

<sup>b</sup> 1939.

<sup>c</sup> 1940.

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MACHINERY

Table 91  
PRODUCTION OF MACHINE TOOLS IN THE SINO-SOVIET BLOC, 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	1956	Units
Sino-Soviet Bloc.....	63,700	92,300	165,000	182,000	204,000	
USSR.....	55,300	70,600	102,000	117,000	121,000	
Communist China.....	n a	3,320	15,900	13,700	27,000	
North Korea.....	n a	n a	n a	n a	507	
European Satellites.....	8,400	18,400	46,700	51,600	55,600	
Albania.....	0	Negl.	Negl.	Negl.	Negl.	
Bulgaria.....	Negl.	300	500	570	600	
Czechoslovakia.....	▲ 4,100	10,400	14,500	15,700	16,500	
East Germany.....	n a	n a	▲ 14,500	▲ 15,700	▲ 16,500	
Hungary.....	Negl.	3,400	5,000	5,400	4,000	
Poland.....	▲ 4,300	▲ 4,100	11,000	12,700	▲ 16,300	
Rumania.....	0	150	1,200	1,500	1,700	

▲ 1937.

▲ Preliminary estimate. Incomplete study indicates East German production is very close to that of Czechoslovakia.

▲ Including both metal-cutting and metal-forming machine tools.

Table 92  
METALFORMING MACHINERY, 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	1956	Units
US.....	n a	29,600	▲ 33,200	37,200	n a	
USSR.....	3,600	8,990	15,300	19,400	20,500	▲ 20,500

▲ Minimum estimate.

Table 93  
PRODUCTION OF ANTIFRICTION BEARINGS IN THE SINO-SOVIET BLOC, 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	1956	Million Units
Sino-Soviet Bloc ^.....	47.8	103.4	211.6	255.0	306.2	
USSR.....	42.5	93.3	183.2	218.0	263.0	
Communist China.....	Negl.	0.2	1.0	2.5	4.0	
European Satellites.....	5.3	9.9	27.4	34.5	39.2	
Czechoslovakia.....	Negl.	5.9	10.2	14.2	18.0	
East Germany.....	5.3	3.3	12.5	14.0	14.2	
Hungary.....	0	0	1.0	1.3	1.6	
Poland.....	0	0.5	2.6	3.3	3.3	
Rumania.....	0	0.2	1.1	1.7	2.1	

^ No production in North Korea, North Vietnam, Albania, or Bulgaria.

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## MACHINERY

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Table 94

PRODUCTION OF TEXTILE MACHINERY IN THE SINO-SOVIET BLOC, 1938, 1950, AND 1954-56  
Units

Country	1938	1950	1954	1955	1956
Spinning Machines					
USSR.....	• 884	1,960	1,890	2,040	1,650
Communist China <sup>b</sup> .....	n a	◦ 64,000	400,000	500,000	n a
Looms					
USSR.....	• 4,100	8,700	17,300	16,000	n a
Communist China.....	n a	◦ 4,000	13,000	8,000	n a

• 1937.

<sup>b</sup> Spindles (not machines).

◦ 1951.

Table 95

PRODUCTION OF COAL MINING EQUIPMENT,  
1938, 1950, AND 1954-55  
Units

Country	1938	1950	1954	1955
Coal Cutters				
UK.....	n a	891	991	931
USSR.....	1,110	900	376	405
Coal Loaders				
UK <sup>a</sup> .....	n a	95	99	104
USSR.....	n a	505	1,030	1,130
Coal Combines				
USSR.....	n a	344	483	731

<sup>a</sup> Power loaders, including cutter-loaders.

Table 96

PRODUCTION OF METALLURGICAL EQUIPMENT IN THE USSR 1938, 1950, AND 1954-56  
Thousands Metric Tons

Year	Production
1938.....	17
1950.....	111
1954.....	154
1955.....	172
1956.....	177

TRACTOR CULTIVATORS, <sup>a</sup> 1938, 1950, AND 1954-56  
Units

Country	1938	1950	1954	1955	1956
UK <sup>b</sup> .....	3,540	22,500	12,100	10,100	n a
US <sup>c</sup> .....	65,500	248,000	82,000	<sup>d</sup> 122,000	n a
Sino-Soviet Bloc <sup>e</sup> .....	68,100	100,000	104,000	123,000	159,000
USSR.....	<sup>f</sup> 68,100	98,900	93,800	113,000	148,000
Communist China.....	0	0	n a	n a	n a
European Satellites.....	n a	1,540	9,720	10,700	11,100
Bulgaria.....	0	410	1,420	1,110	2,070
East Germany.....	n a	• 1,130	1,520	1,830	n a
Hungary.....	n a	n a	<sup>h</sup> 2,150	2,800	n a
Poland.....	0	n a	4,630	5,000	9,000
Rumania.....	0	n a	n a	n a	n a

<sup>a</sup> Including tractor-drawn and mounted.<sup>b</sup> Listed as "cultivators or grubbers," with no specific indication that all are tractor powered.<sup>c</sup> Standard row-cultivators; excluding field cultivators or special cultivators for beet, beans, or vegetables.<sup>d</sup> Shipments, excluding exports.<sup>e</sup> Minimum figures; no production in North Korea, North Vietnam, or Albania.<sup>f</sup> 1937.      <sup>g</sup> 1951.      <sup>h</sup> Plan.

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## SECRET

## MACHINERY

Table 98  
PRODUCTION OF TRACTOR MOLDBOARD PLOWS,\* 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	1956	Units
UK.....	5,160	52,100	29,700	26,600	19,500	
US.....	<sup>b</sup> 98,700	342,000	117,000	<sup>c</sup> 140,000	<sup>n a</sup>	
Sino-Soviet Bloc <sup>d</sup> .....	105,000	145,000	121,000	133,000	155,000	
USSR <sup>e</sup> .....	<sup>f</sup> 96,400	122,000	101,000	103,000	124,000	
Communist China.....	0	0	<sup>n a</sup>	<sup>n a</sup>	<sup>n a</sup>	
European Satellites.....	8,530	23,100	19,900	29,700	31,400	
Bulgaria.....	0	908	896	1,880	2,930	
Czechoslovakia.....	<sup>n a</sup>	<sup>g</sup> 13,300	3,850	9,960	9,500	
East Germany.....	<sup>h</sup> 8,530	<sup>i</sup> 8,920	4,160	3,570	<sup>n a</sup>	
Hungary.....	<sup>n a</sup>	<sup>n a</sup>	3,700	5,000	<sup>j</sup> 7,000	
Poland.....	0	<sup>k</sup> <sup>n a</sup>	7,260	9,300	12,000	
Rumania.....	0	<sup>n a</sup>	<sup>n a</sup>	<sup>n a</sup>	<sup>n a</sup>	

\* Excluding surface (shallow) plows.

<sup>b</sup> 1939.<sup>c</sup> Shipments, excluding exports. In 1954, 6,927 units were exported.<sup>d</sup> Minimum estimates; no production in North Korea, North Vietnam, or Albania.<sup>e</sup> Apparently includes disc plows, which are only a small percentage of the total.<sup>f</sup> 1937.<sup>g</sup> 1949.<sup>h</sup> 1937/38.<sup>i</sup> 1951.<sup>j</sup> Plan.<sup>k</sup> Tractor plow production began in 1950, but the amount of production in that year is unknown.

Table 99  
PRODUCTION OF GRAIN COMBINES,\* 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	1956	Units
UK.....	0	4,320	6,120	6,210	5,450	
US.....	<sup>b</sup> 41,500	116,000	58,100	<sup>c</sup> 56,400	<sup>n a</sup>	
Sino-Soviet Bloc <sup>d</sup> .....	22,900	46,300	40,300	51,300	86,600	
USSR.....	22,900	46,300	38,600	48,000	82,000	
Communist China.....	0	0	0	2	<sup>e</sup> 20	
European Satellites.....	0	15	1,670	3,290	4,540	
Bulgaria.....	0	0	303	392	600	
Czechoslovakia.....	0	0	3	5	<sup>f</sup> 420	
East Germany.....	0	0	400	1,050	1,370	
Hungary.....	0	5	925	1,540	1,400	
Poland.....	0	0	40	300	<sup>g</sup> 650	
Rumania.....	0	10	0	2	100	

\* Tractor-drawn and selfpropelled.

<sup>b</sup> 1939.<sup>c</sup> Shipments, excluding exports. In 1954, 8,096 grain combines were exported.<sup>d</sup> No production in North Korea, North Vietnam, or Albania.<sup>e</sup> Plan.

## MACHINERY

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Table 100  
CORN HARVESTING COMBINES,<sup>a</sup> 1938, 1950, AND 1954-56

Country	Units				
	1938	1950	1954	1955	1956
US.....	<sup>b</sup> 16,000	88,800	35,500	<sup>c</sup> 36,500	<sup>c</sup> 33,100
Sino-Soviet Bloc <sup>d</sup> .....	0	0	2,370	4,020	14,000
USSR.....	0	0	2,360	4,010	13,600
European Satellites.....	0	0	5	7	435
Bulgaria.....	0	0	0	1	<sup>c</sup> 400
Hungary.....	0	0	5	5	25
Rumania.....	0	0	0	1	10

<sup>a</sup> There is not strict comparability between the corn pickers produced in the US and the corn harvesting combines produced in the Sino-Soviet Bloc. The latter picks up the corn stalks and chops them up in addition to picking the ears from the stalks; the US corn picker leaves the corn stalks in the field.

<sup>b</sup> 1939.

<sup>c</sup> Shipments, excluding exports. In 1954, 603 corn pickers were exported.

<sup>d</sup> No production in countries of the Sino-Soviet Bloc which are not listed.

<sup>e</sup> Plan.

Table 101  
PRODUCTION OF TRACTORS, 1938, 1946, 1948, AND 1950-56

Country	Thousand Units									
	1938	1946	1948	1950	1951	1952	1953	1954	1955	1956
NATO <sup>a</sup> .....	35.4	254	669	704	811	669	671	590	<i>n a</i>	<i>n a</i>
US.....	<i>n a</i>	252	528	509	566	423	441	288	<i>n a</i>	<i>n a</i>
Sino-Soviet Bloc <sup>b</sup> .....	54.6	14.8	68.9	137	119	125	138	169	200	225
USSR.....	<sup>c</sup> 51.2	13.1	56.9	109	91.8	98.7	111	135	163	184
European Satellites.....	3.4	1.7	12.0	28.6	27.0	26.7	26.4	33.6	37.1	40.9
Czechoslovakia....	<sup>d</sup> 0.2	0.9	9.1	12.0	10.2	8.4	6.5	8.3	12.6	18.0
East Germany....	<sup>d</sup> <i>n a</i>	<i>n a</i>	Negl.	5.2	5.9	6.2	7.5	8.8	8.2	6.7
Hungary.....	<sup>e</sup> 0.7	0.2	0.9	4.1	3.3	2.3	0.8	3.7	4.7	3.5
Poland.....	0.5	<sup>c</sup> 0.2	1.2	3.8	4.2	6.0	6.9	7.8	8.1	8.5
Rumania.....	2.0	<sup>c</sup> 0.4	0.8	3.5	3.4	3.8	4.7	5.0	3.5	4.2

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
France.....	64.8	77.9	UK.....	137	108	West Germany.....	149	134
Italy.....	21.7	<i>n a</i>						

<sup>a</sup> Including France and the UK; the US (except 1938); Italy and West Germany (except 1946).

<sup>b</sup> No production in countries of the Sino-Soviet Bloc which are not listed.

<sup>c</sup> 1937.

<sup>d</sup> Prewar estimate omitted because of lack of comparability in data.

<sup>e</sup> 1947.

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TRANSPORTATION EQUIPMENT

Table 102  
PRODUCTION OF MARITIME VESSELS \* IN  
THE SINO-SOVIET BLOC, 1950 AND 1954-56

Country	Thousand Gross Register Tons			
	1950	1954	1955	1956
Sino-Soviet Bloc..	69.1	240	279	329
USSR.....	43.0	126	132	177
European Satellites.....	26.1	114	147	152
East Germany.....	5.6	40.8	61.1	54.1
Hungary <sup>b</sup> ....	13.8	16.3	15.6	18.9
Poland.....	6.7	57.2	70.0	79.0
Rumania....	Negl.	Negl.	Negl.	Negl.

\* Data refer to tankers, cargo and passenger vessels, and selfpropelled and non-selfpropelled maritime barges and harbor craft completed during year stated.

<sup>b</sup> Including floating cranes.

Table 103  
LAUNCHINGS OF MARITIME VESSELS IN THE NATO COUNTRIES, \* 1938, 1950, AND 1954-56

Country	Thousand Gross Register Tons							
	1938	1950	1954	1955 *	1956 *			
NATO <sup>b</sup> .....	2,300	2,730	4,120	3,770	4,070			
US.....	201	437	477	73.0	169			
NATO COUNTRIES								
1955 *	1956 *	1955 *	1956 *	1955 *	1956 *			
Belgium.....	81.1	92.3	Italy <sup>d</sup> .....	167	358	Portugal.....	5.80	15.0
Canada.....	21.7	<i>n a</i>	Netherlands.....	397	450	UK.....	1,470	1,380
Denmark.....	154	130	Norway.....	141	172	West Germany.....	929	1,000
France.....	326	299						
World Total *.....	5,320	<i>n a</i>						

\* Data refer to total gross registered tonnage of all merchant vessels of 100 gross tons and over which were launched, excluding those which are non-selfpropelled.

<sup>b</sup> Excluding Greece, Iceland, Luxembourg, and Turkey; Canada (1956).

<sup>c</sup> Preliminary.

<sup>d</sup> Including Trieste.

<sup>e</sup> Excluding the USSR.

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## TRANSPORTATION EQUIPMENT

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Table 104

## PRODUCTION OF INLAND VESSELS IN THE SINO-SOVIET BLOC, 1950 AND 1954-56

Country	Selfpropelled (Thousand Horsepower)				Non-Selfpropelled (Thousand Dead Weight Tons)			
	1950	1954	1955	1956	1950	1954	1955	1956
Sino-Soviet Bloc *	71.5	127	146	144	739	727	688	584
USSR	48.9	64.6	72.6	84.0	725	686	614	456
Communist China <sup>b</sup>	13.0	14.0	26.0	24.0	12.0	26.0	51.0	93.0
European Satellites	9.6	48.6	46.9	36.1	2.4	14.6	23.4	34.6
Czechoslovakia	7.2	10.4	13.9	13.9	2.4	14.6	21.4	26.6
East Germany	0	7.8	6.6	10.7	n a	n a	n a	n a
Hungary	2.4	30.4	26.4	11.5	0	0	2.0	8.0
Poland	0	Negl.	Negl.	Negl.	0	Negl.	Negl.	Negl.

\* No production in Albania.

<sup>b</sup> Excluding junks and other native vessels.

Table 105

PRODUCTION OF TANKERS AND TUGS IN  
THE USSR, 1950 AND 1954-56

Country	Gross Register Tons			
	1950	1954	1955	1956
TANKERS				
USSR	5,000	87,000	93,000	106,000
TUGS				
USSR	3,000	3,800	4,000	4,000

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## TRANSPORTATION EQUIPMENT

Table 106

## PRODUCTION OF MAINLINE LOCOMOTIVES, 1938, 1946, 1948, 1950-56, AND 1960 PLAN

Country	Physical Units										
	1938	1946	1948	1950	1951	1952	1953	1954	1955	1956	1960 Plan
NATO <sup>b</sup> .....	1,470	2,990	4,320	6,540	6,520	4,230	n a	n a	n a	n a	.....
US <sup>c</sup> .....	300	1,680	3,150	4,750	4,440	2,040	2,110	1,110	1,180	1,450	.....
Sino-Soviet Bloc <sup>d</sup> .....	1,610	n a	1,710	1,820	1,460	1,000	1,380	1,610	1,780	1,810	n a
USSR.....	1,250	244	1,139	1,210	854	439	916	1,040	982	867	2,180
Communist China.....	0	0	0	0	0	20	1	52	98	200	n a
European Satellites.....	357	n a	575	610	603	545	462	520	702	741	n a
Bulgaria.....	0	0	1	0	1	0	0	0	0	0	n a
Czechoslovakia.....	74	144	171	100	100	100	98	84	120	125	n a
East Germany.....	100	0	0	0	0	0	10	14	74	164	n a
Hungary.....	70	n a	100	213	197	187	132	153	146	121	n a
Poland.....	28	157	242	241	265	238	215	258	308	278	190
Rumania.....	85	n a	61	56	40	20	7	11	54	53	n a

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Canada.....	362	n a	Italy.....	88	59	UK.....	1,229	1,155
France.....	109	n a						

<sup>a</sup> Including all types (diesel, diesel-electric, electric, and steam). See Tables 107 and 108 for detailed data for diesel and electric locomotives.

<sup>b</sup> Including Canada (except 1946 and 1953), Denmark (except 1938 and 1953), France, Italy, the UK (1935 instead of 1938), the US, and West Germany (except 1938, 1948, and 1953). Because of lack of data for Canada and West Germany, totals are not presented for years after 1952. Data refer to the output of railways and private shops for domestic use and export. Locomotives include all railway types regardless of gauge or form of power but exclude selfpropelled cars and mining and industrial locomotives.

<sup>c</sup> Data refer to number on order in 1948-52 and to units put into service on first-class railways in 1953-56.

<sup>d</sup> No production in North Korea, North Vietnam, or Albania.

• 1937.

<sup>f</sup> 8 months only.

Table 107

PRODUCTION OF DIESEL LOCOMOTIVES,  
1938, 1950, AND 1954-56

Country	Physical Units				
	1938	1950	1954	1955	1956
NATO <sup>a</sup> .....	n a	n a	1,780	1,930	n a
US.....	n a	2,370	1,100	1,170	n a
Sino-Soviet Bloc <sup>b</sup> .....	4	125	121	228	n a
USSR.....	4	125	120	134	161 216
European Satellites.....	0	0	1	94	n a
Czechoslovakia.....	0	0	1	2	4
Hungary.....	0	0	0	2	4
Poland.....	0	0	0	90	n a

<sup>a</sup> Including the UK and the US. Data for the UK include diesel-electric locomotives.

<sup>b</sup> No production in countries of the Sino-Soviet Bloc which are not listed.

<sup>c</sup> Possibly narrow gauge or industrial and mining.

Table 108

PRODUCTION OF ELECTRIC LOCOMOTIVES,  
1938, 1950, AND 1954-56

Country	Physical Units				
	1938	1950	1954	1955	1956
US.....	n a	12	10	10	8
Sino-Soviet Bloc <sup>a</sup> .....	32	102	166	228	338
USSR.....	32	102	158	194	216
European Satellites.....	0	0	8	34	122
Czechoslovakia.....	0	0	1	3	6
East Germany.....	0	0	4	20	114
Hungary.....	0	0	3	4	2
Poland.....	0	0	0	7	n a

<sup>a</sup> No production in countries of the Sino-Soviet Bloc which are not listed.

## TRANSPORTATION EQUIPMENT

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Table 109

PRODUCTION OF MAINLINE RAILWAY FREIGHT CARS, 1938, 1946, 1948, 1950-56, AND 1960 PLAN  
Thousands Physical Units \*

Country	1938	1946	1948	1950	1951	1952	1953	1954	1955	1956	1960 Plan
NATO <sup>b</sup> .....	53.9	116	184	96.6	155	135	152	122	128	165	.....
US.....	17.1	60.0	115	44.2	96.0	79.3	83.6	38.3	42.1	67.4	.....
Sino-Soviet Bloc <sup>c</sup> .....	36.4	n a	61.2	82.8	53.2	57.2	53.4	54.6	69.7	80.8	n a
USSR.....	24.2	28	30.5	50.8	28.4	24.4	25.1	23.9	34.4	40	52
Communist China.....	n a	n a	n a	n a	n a	5.79	4.50	5.44	9.26	12.0	n a
European Satellites.....	12.2	n a	30.7	32.0	24.9	26.9	23.8	25.3	26.0	28.8	n a
Bulgaria.....	0	0	0	0	0	0.2	0.6	0.7	1.2	1.4	n a
Czechoslovakia.....	1.65	9.4	5.37	5.5	5.5	5.5	6.12	5.71	5.55	5.90	n a
East Germany.....	8	2	2.9	5	5.2	6.0	3.15	2.5	2.4	4.0	n a
Hungary.....	1.5	n a	4.1	4	3.2	3.6	3.5	3.5	3.5	3	n a
Poland.....	0.569	5.04	16.4	15.4	9.28	9.93	8.76	11.2	11.9	12.3	n a
Rumania.....	0.5	n a	1.94	2.09	1.7	1.7	1.7	1.7	1.46	2.14	n a

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Canada <sup>d</sup> .....	3.74	n a	Italy <sup>e</sup> .....	0.45	5.16	West Germany.....	9.12	11.6
France.....	8.4	9.96	UK.....	63.9	70.5			

\* Because physical units include cars of 2, 4, or more axles, the term does not represent an exact measure of carrying capacity. It is used here, however, because this is the form in which NATO, USSR, and European Satellite data currently are being published. Although the European NATO countries are still producing some smaller cars, all US, USSR, and much of Satellite production now consists of 4-axle units.

<sup>b</sup> Including Canada (except 1956), France, Italy, Norway (except 1952-56), the UK, the US, and West Germany. Data refer to all types of goods-carrying cars, except baggage and mail cars, unless otherwise noted.

• No production in North Korea, North Vietnam, or Albania.

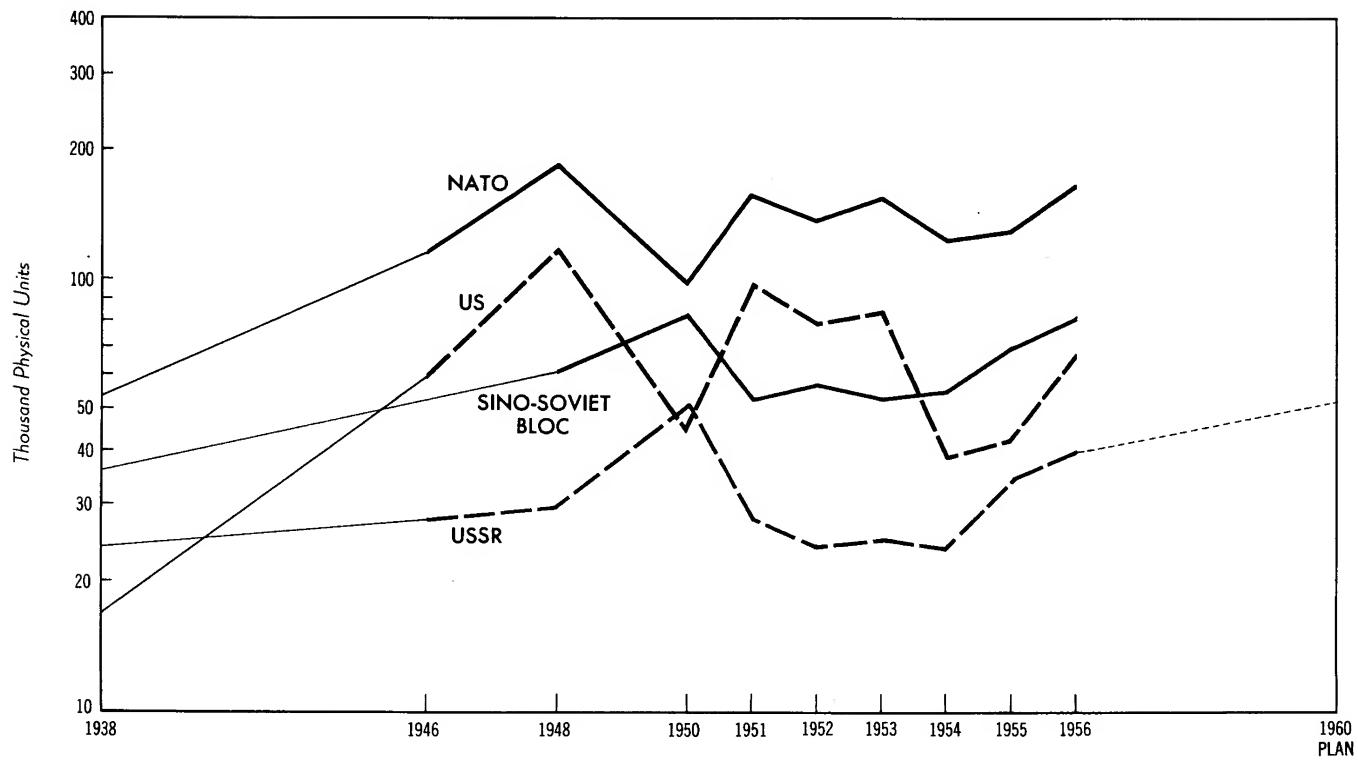
<sup>d</sup> Data for all years include coaches, baggage cars, and freight cars.

<sup>e</sup> Including passenger cars after 1950.

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Figure 15

**COMPARISON OF PRODUCTION OF MAINLINE FREIGHT CARS\***  
**IN SELECTED AREAS, 1938, 1946, 1948, 1950-56, AND 1960 PLAN**



\*All types.

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## TRANSPORTATION EQUIPMENT

Table 110

## PRODUCTION OF RAILWAY PASSENGER CARS, 1938, 1950, AND 1954-56

Country	Physical Units				
	1938	1950	1954	1955	1956
NATO *	645	4,540	3,250	3,370	n a
US	352	954	585	983	<sup>b</sup> 430
Sino-Soviet Bloc <sup>c</sup>	1,140	2,120	3,660	3,700	4,270
USSR	1,000	912	1,750	1,770	1,800
Communist China	n a	n a	100	200	300
European Satellites	141	1,200	1,810	1,730	2,170
Bulgaria	0	0	10	10	10
Czechoslovakia	<sup>d</sup> 129	300	135	111	377
East Germany	0	600	900	650	725
Hungary	n a	113	264	296	280
Poland	12	150	463	561	516
Rumania	0	40	40	100	260

## NATO COUNTRIES

	1955	1956		1955	1956
France	173	<sup>e</sup> 176	UK	2,210	2,340

\* Including France, the UK, and the US.

<sup>b</sup> Shipments.<sup>c</sup> No production in North Korea, North Vietnam, or Albania.<sup>d</sup> 1937.<sup>e</sup> 8 months.Table 111  
PRODUCTION OF AUTOMOBILES, 1938, 1950, AND 1954-56

Country	Thousand Units				
	1938	1950	1954	1955	1956
NATO *	2,910	8,060	7,750	10,700	8,760
US <sup>b</sup>	2,000	6,670	5,560	7,920	5,820
Sino-Soviet Bloc <sup>c</sup>	40.6	88.9	121	147	156
USSR	27.0	64.6	94.7	108	98.0
European Satellites	13.6	24.3	26.7	38.8	58.5
Czechoslovakia	11.4	17.1	5.38	12.5	25.1
East Germany	<sup>d</sup> n a	7.17	19.7	22.2	27.3
Hungary	0.237	0	0	0	0
Poland	2	0	1.68	4.02	6.10

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Canada	375	472	Italy	231	274	West Germany	705	844
France	553	648	UK	898	708			

## OTHER COUNTRIES

Japan	13.3	23.6
-------	------	------

\* Including Canada, France, Italy, the UK, the US, and West Germany. Data refer to all types of motor vehicles usable as private cars but exclude 2- or 3-wheeled motorcycles.

<sup>b</sup> Sales from factories, including parts shipped for assembly abroad.<sup>c</sup> No production in countries of the Sino-Soviet Bloc which are not listed.<sup>d</sup> Prewar estimate omitted because of lack of comparability in data.

## TRANSPORTATION EQUIPMENT

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Table 112

PRODUCTION OF COMMERCIAL VEHICLES,<sup>a</sup> 1938, 1950, AND 1954-56

Thousand Units

Country	1938	1950	1954	1955	1956
NATO <sup>b</sup> .....	732	1,910	1,740	2,080	1,940
US <sup>c</sup> .....	488	1,340	1,040	1,250	1,100
Sino-Soviet Bloc <sup>d</sup> .....	206	305	344	373	405
USSR.....	184	294	301	329	358
Communist China.....	0	0	0	0	1.65
European Satellites.....	22.1	10.5	42.7	43.9	45.7
Czechoslovakia.....	1.72	6.0	12.9	10.5	11.0
East Germany.....	• 19.0	1.0	12.2	14.2	13.7
Hungary.....	0.55	2.5	4.22	3.66	3.00
Poland.....	0.82	0.96	12.6	12.5	12.9
Rumania.....	0	0	0.82	3.0	5.1

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Canada.....	79	99	Italy.....	39	36	West Germany.....	203	227
France.....	172	179	UK.....	339	297			

## OTHER COUNTRIES

Austria.....	6.6	4.6	Japan.....	47	78
--------------	-----	-----	------------	----	----

<sup>a</sup> Including light and heavy trucks, wheeled tractors for road haulage, special vehicles, and buses.<sup>b</sup> Including Canada, France, Italy, the UK, the US, and West Germany.<sup>c</sup> Factory sales, including parts shipped for assembly abroad.<sup>d</sup> No production in North Korea, North Vietnam, Albania, or Bulgaria.<sup>e</sup> 1936.

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TRANSPORTATION

Table 113  
RAILWAY FREIGHT TRAFFIC, 1938, 1946, 1948, 1950-56 AND 1960 PLAN

Country	1938	1946	1948	1950	1951	1952	1953	1954	1955	1956	Billion Metric Ton-Kilometers	
											1960 Plan	
NATO <sup>a</sup> .....	584	<i>n a</i>	1,160	1,090	1,200	1,160	1,140	1,050	1,180	1,230	.....	
US.....	424	924	931	859	944	898	884	802	910	945	.....	
Sino-Soviet Bloc.....	454	<i>n a</i>	522	731	827	907	994	1,080	1,210	1,350	<i>n a</i>	
USSR <sup>b</sup> .....	370	338	450	602	677	740	795	857	971	1,080	1,370	
Communist China.....	19.0	• 3.76	• 4.78	39.4	51.5	60.2	78.1	93.2	98.1	120	<i>n a</i>	
North Korea.....	<i>n a</i>	0.652	2.43	3.40	<i>n a</i>	0.887	1.98	2.68	3.80	4.30	<i>n a</i>	
North Vietnam.....	n a	n a	n a	n a	n a	n a	n a	n a	<i>n a</i>	0.123	<i>n a</i>	
European Satellites.....	65.4	<i>n a</i>	64.9	86.0	98.1	106	119	127	139	146	<i>n a</i>	
Albania.....	0	<i>n a</i>	0.006	0.009	0.010	0.012	0.014	0.016	0.019	0.019	<i>n a</i>	
Bulgaria.....	1.08	<i>n a</i>	1.96	2.75	3.07	3.40	3.98	4.16	4.54	5.08	<i>n a</i>	
Czechoslovakia.....	• 11.1	<i>n a</i>	14.3	18.8	22.1	23.9	26.3	28.5	31.7	35.0	<i>n a</i>	
East Germany.....	• 22.1	<i>n a</i>	10.8	16.5	19.3	20.9	24.5	26.5	28.8	31.1	<i>n a</i>	
Hungary.....	• 3.04	<i>n a</i>	3.92	5.41	6.26	7.43	8.15	8.15	8.78	7.66	<i>n a</i>	
Poland.....	22.4	<i>n a</i>	28.3	35.1	38.5	40.3	44.6	48.2	52.0	52.4	<i>n a</i>	
Rumania.....	5.80	<i>n a</i>	5.73	7.41	9.01	10.0	11.5	11.5	13.3	14.5	<i>n a</i>	

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium <sup>c</sup> .....	6.68	6.86	Italy <sup>b i</sup> .....	14.2	15.1	Portugal.....	0.723	0.761
Canada.....	96.1	106	Luxembourg <sup>i</sup> .....	0.612	0.649	Turkey <sup>b i</sup> .....	3.96	4.44
Denmark <sup>b</sup> .....	1.14	1.25	Netherlands <sup>c i</sup> .....	3.43	3.55	UK.....	34.9	35.2
France.....	46.8	50.2	Norway <sup>b i</sup> .....	1.06	1.51	West Germany.....	57.5	• 61.6
Greece.....	• 0.343	<i>n a</i>						

## OTHER COUNTRIES

Finland <sup>b</sup> .....	4.20	4.42	Spain <sup>b</sup> .....	7.63	8.21	Switzerland.....	3.04	3.17
India <sup>b k</sup> .....	55.1	60.2	Sweden <sup>b</sup> .....	9.66	10.3	Yugoslavia <sup>i</sup> .....	11.6	11.9
Japan <sup>b</sup> .....	42.0	45.2						

<sup>a</sup> Excluding Iceland and Greece (1956). Data refer to net metric ton-kilometers, including all goods and livestock carried by trains other than plantation, industrial mining, funicular, and cable railways, but excluding service traffic, mail, baggage, and nonrevenue government stores. The 1938 total includes 1936 data for West Germany.

<sup>b</sup> Data refer to tariff ton-kilometers, which represent tons originated multiplied by length of haul by the shortest route.

<sup>c</sup> Data for mainland China only, excluding Manchuria (for which data were not available).

<sup>d</sup> 1949.

<sup>e</sup> 1937.

<sup>f</sup> 1936.

<sup>g</sup> Full carloads only.

<sup>h</sup> State railways only.

<sup>i</sup> Including service traffic.

<sup>j</sup> Excluding livestock.

<sup>k</sup> Class 1 railways.

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Table 114  
RAILWAY FREIGHT TRAFFIC, 1938, 1946, 1948, 1950-56, AND 1960 PLAN

Country	1938	1946	1948	1950	1951	1952	1953	1954	1955	1956	Million Metric Tons Originated	
											1960 Plan	
NATO *	2,160	<i>n a</i>	3,540	3,290	3,580	3,440	3,400	3,080	3,440	2,470	....	
US	1,270	<i>n a</i>	2,580	2,330	2,530	2,390	2,380	2,090	2,380	1,310	....	
Sino-Soviet Bloc	898	<i>n a</i>	973	1,400	1,540	1,690	1,800	2,000	2,190	2,370	<i>n a</i>	
USSR	516	454	617	828	903	988	991	1,120	1,260	1,360	1,830	
Communist China	72.8	<sup>b</sup> 23.2	<sup>b</sup> 33.2	99.5	110	132	160	193	193	246	<i>n a</i>	
North Korea	<i>n a</i>	3.27	11.6	<sup>c</sup> 16.3	<i>n a</i>	5.79	10.6	14.4	16.8	18.2	<i>n a</i>	
European Satellites	310	<i>n a</i>	311	459	530	568	642	666	722	747	<i>n a</i>	
Bulgaria	5.76	7.24	9.19	13.2	15.5	16.5	19.2	21.5	22.3	25.0	<i>n a</i>	
Czechoslovakia	<sup>d</sup> 70.1	<i>n a</i>	74.4	93.8	108	114	123	128	140	155	<i>n a</i>	
East Germany	<sup>e</sup> 131	<i>n a</i>	88.2	128	153	158	182	191	208	220	<i>n a</i>	
Hungary	<i>n a</i>	<i>n a</i>	<i>n a</i>	40.9	47.4	58.5	66.4	63.3	67.8	57.1	<i>n a</i>	
Poland <sup>f</sup>	75.0	<i>n a</i>	114	150	166	176	199	210	224	226	<i>n a</i>	
Rumania	27.7	<i>n a</i>	25.1	32.8	40.1	44.7	51.8	51.8	60.4	63.4	<i>n a</i>	
NATO COUNTRIES												
	1955	1956			1955	1956			1955	1956		
Belgium	70.1	70.0	Italy <sup>h</sup> <sup>i</sup>	50.1	53.8	Portugal	....	....	3.8	4.01		
Canada	152	<sup>a</sup> 179	Luxembourg <sup>i</sup>	17.6	16.9	Turkey <sup>i</sup>	....	....	11.3	13.7		
Denmark <sup>f</sup>	5.84	6.47	Netherlands <sup>k</sup> <sup>i</sup>	25.6	26.4	UK	....	....	278	<sup>i</sup> 282		
France	191	204	Norway <sup>h</sup> <sup>i</sup>	5.30	5.89	West Germany	....	....	256	<sup>i</sup> 300		
Greece	<sup>j</sup> 2.48	<i>n a</i>	OTHER COUNTRIES									
Finland <sup>h</sup>	19.2	17.6	Spain <sup>h</sup>	29.3	31.5	Switzerland	....	....	23.0	24.0		
India <sup>i</sup> <sup>l</sup>	113	118	Sweden <sup>h</sup>	40.8	42.5	Yugoslavia <sup>i</sup>	....	....	50.2	50.2		
Japan <sup>h</sup>	152	161										

\* Excluding Iceland. The 1938 total includes 1936 data for West Germany and 1937 data for Turkey. Data refer to gross weight of metric tons carried. Goods and livestock carried by more than one railway in same country are counted only once unless otherwise noted. Excluding service traffic, mail, baggage, and nonrevenue government stores.

<sup>b</sup> Data for mainland China only, excluding Manchuria (for which data were not available).

<sup>c</sup> 1949.

<sup>d</sup> 1937.

<sup>e</sup> 1936.

<sup>f</sup> Standard gauge railways only.

<sup>g</sup> Including duplication of freight handled on more than one railway.

<sup>h</sup> State railways only.

<sup>i</sup> Excluding livestock.

<sup>j</sup> Including service traffic.

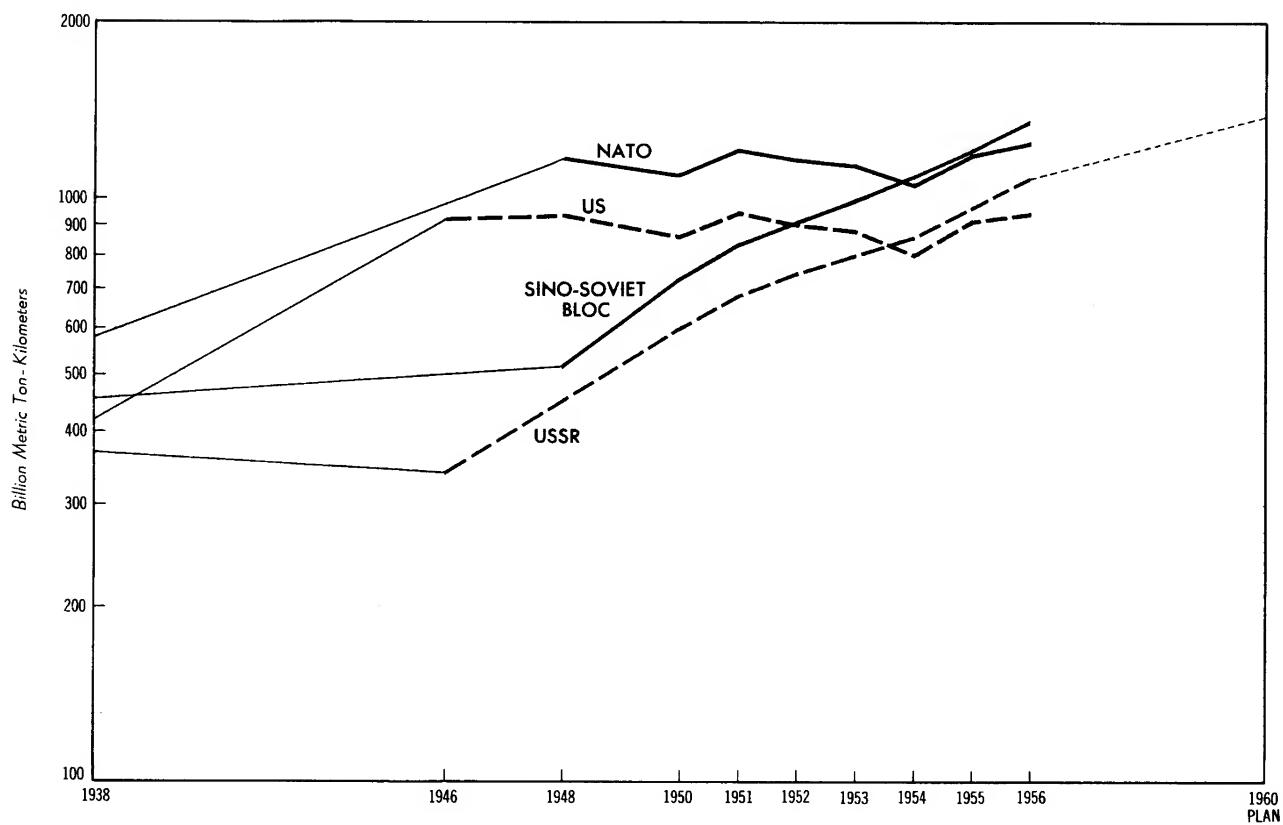
<sup>k</sup> Full carloads only.

<sup>l</sup> The series "tons carried" as quoted in the source has been revised to exclude duplication of freight handled on more than one railway and now includes all government railways.

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Figure 16

COMPARISON OF RAILWAY FREIGHT TRAFFIC  
IN SELECTED AREAS, 1938, 1946, 1948, 1950-56, AND 1960 PLAN



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Table 115  
HIGHWAY FREIGHT TRAFFIC,\* 1938, 1950, AND 1954-56

Country	1938	1950	1954	Million Metric Ton-Kilometers	
				1955	1956
US.....	77,000	248,000	313,000	357,000	<i>n a</i>
Sino-Soviet Bloc.....	<i>n a</i>	23,600	45,700	52,200	61,200
USSR.....	8,770	20,100	37,500	42,500	50,000
Communist China.....	<i>n a</i>	373	1,870	2,520	3,500
North Korea.....	<i>n a</i>	<sup>b</sup> 35.0	95.6	139	231
North Vietnam.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	31.0
European Satellites.....	1,140	3,060	6,230	7,020	7,470
Albania.....	9.9	46.5	98.6	122	137
Bulgaria.....	<sup>c</sup> 48.0	79.2	135	167	178
Czechoslovakia <sup>d</sup> .....	<sup>e</sup> 121	491	955	1,000	1,100
East Germany.....	800	1,940	2,940	3,190	3,480
Hungary.....	110	237	826	868	809
Poland <sup>f</sup> .....	44	210	1,170	1,560	1,650
Rumania.....	8	49	97	108	113

## NATO COUNTRIES

	1953	1954		1953	1954		1953	1954
Denmark.....	2,300	<i>n a</i>	Italy.....	<i>n a</i>	27,000	UK.....	<sup>g</sup> 31,000	<i>n a</i>
France.....	<i>n a</i>	18,000	Norway.....	<i>n a</i>	800	West Germany.....	<sup>g</sup> 21,000	<i>n a</i>

\* Including traffic by trucks, whether on improved roads or not, but excluding primitive modes of transportation.

<sup>b</sup> 1949.

<sup>c</sup> 1939.

<sup>d</sup> Including traffic on state roads only.

<sup>e</sup> 1937.

<sup>f</sup> Excluding transport units of industries, plants, and offices.

<sup>g</sup> 1952.

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Table 116  
INLAND WATER FREIGHT TRAFFIC, 1938, 1950, AND 1954-56

Country	1938	1950	1954	Million Metric Ton-Kilometers	
				1955	1956
NATO <sup>a</sup> .....	<i>n a</i>	<i>n a</i>	204,000	<sup>b</sup> 239,000	<i>n a</i>
US <sup>c</sup> .....	32,900	95,700	153,000	181,000	213,000
Sino-Soviet Bloc.....	<i>n a</i>	52,200	77,100	85,800	96,900
USSR.....	<i>n a</i>	45,900	62,400	67,400	76,500
Communist China.....	<i>n a</i>	1,680	7,890	10,400	12,900
North Korea <sup>d</sup> .....	<i>n a</i>	<sup>e</sup> 35.1	14.9	22.9	27.5
North Vietnam <sup>d</sup> .....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	137
European Satellites.....	8,240	4,580	6,830	7,900	7,360
Albania.....	Negl.	Negl.	Negl.	Negl.	Negl.
Bulgaria <sup>f</sup> .....	100	845	1,560	1,790	1,720
Czechoslovakia.....	1,640	806	1,260	1,480	1,550
East Germany.....	4,500	1,580	1,740	2,170	2,280
Hungary.....	500	538	906	847	740
Poland.....	456	264	574	774	596
Rumania.....	1,040	553	785	837	<sup>e</sup> 490

## NATO COUNTRIES

	1954	1955 <sup>b</sup>		1954	1955 <sup>b</sup>		1954	1955 <sup>b</sup>
Belgium.....	4,120	4,620	Netherlands.....	13,300	15,300	West Germany...	25,100	28,500
France.....	8,270	8,920	UK.....	287	300			

<sup>a</sup> Including Belgium, France, the Netherlands, the UK, the US, and West Germany.

<sup>b</sup> Preliminary.

<sup>c</sup> Excluding traffic on the Great Lakes. The 1938 figure includes some duplication of reporting. Reporting coverage increased slightly after 1952.

<sup>d</sup> Including both coastal and inland waterway traffic.

<sup>e</sup> 1949.

<sup>f</sup> Range of error on postwar years: plus or minus 50 percent.

<sup>g</sup> Based on announced results of total traffic and railroad traffic. Resulting water traffic performance is not confirmed by any known circumstances and may be as much as 75 percent low.

Table 117

OCEAN FREIGHT TRAFFIC <sup>a</sup> OF THE SINO-SOVIET BLOC, 1938, 1950, AND 1954-56

Country	1938	1950	1954	Million Metric Ton-Kilometers	
				1955	1956
Sino-Soviet Bloc.....	<i>n a</i>	50,700	79,300	96,600	112,000
USSR.....	<i>n a</i>	39,700	56,600	68,900	82,000
Communist China.....	<i>n a</i>	822	8,040	8,380	8,600
European Satellites.....	6,800	10,200	14,600	19,300	21,000
Albania <sup>b</sup> .....	20	20	30	40	39
Bulgaria.....	738	516	655	688	906
Czechoslovakia <sup>b</sup> .....	0	0	288	1,140	1,320
East Germany.....	0	Negl.	46	480	540
Hungary <sup>b</sup> .....	1,110	57	128	139	239
Poland.....	2,600	9,090	12,500	15,800	16,600
Rumania <sup>b</sup> .....	2,340	510	980	1,020	1,330

<sup>a</sup> Range of error: plus or minus 30 percent.

<sup>b</sup> Including both coastal and international freight traffic.

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Table 118  
INVENTORY OF MERCHANT FLEET,<sup>a</sup> 1939, 1950, AND 1954-56

Country	1939 <sup>b</sup>		1950		1954		1955		1956	
	Num- ber	1,000 GRT	Num- ber	1,000 GRT	Num- ber	1,000 GRT	Num- ber	1,000 GRT	Num- ber	1,000 GRT
NATO.....	9,000	44,900	<i>n a</i>	<i>n a</i>	<i>n a</i>	65,100	<i>n a</i>	66,300	<i>n a</i>	68,200
US <sup>c</sup> .....	1,380	8,130	<sup>d</sup> 3,400	<sup>d</sup> 25,300	3,330	25,400	3,240	24,800	3,240	24,800
Sino-Soviet Bloc.....	524	1,600	643	2,240	886	2,930	939	3,150	1,010	3,380
USSR.....	354	1,140	545	1,920	685	2,310	730	2,490	796	2,700
Communist China.....	100	204	41	103	113	280	115	287	117	285
European Satellites <sup>e</sup> .....	70	261	57	211	88	345	94	369	100	392
Bulgaria.....	8	22	4	10	5	13	5	13	7	23
Czechoslovakia.....	0	0	0	0	3	17	3	17	3	17
East Germany.....	0	0	0	0	3	8	3	8	4	14
Hungary.....	6	23	1	1	2	3	3	4	5	6
Poland.....	31	114	45	169	67	271	71	293	72	298
Rumania.....	25	102	7	31	8	33	9	34	9	34

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
	1,000	GRT		1,000	GRT		1,000	GRT
Belgium.....	433	483	Iceland.....	38	38	Portugal.....	434	419
Canada.....	357	362	Italy.....	3,700	3,930	Turkey.....	469	534
Denmark.....	1,510	1,530	Netherlands.....	3,210	3,540	UK.....	17,500	17,400
France.....	3,640	3,680	Norway.....	6,860	7,560	West Germany.....	2,170	2,730
Greece.....	1,190	1,260						

## OTHER COUNTRIES

Egypt.....	118	114	Finland.....	693	701	Yugoslavia.....	245	250
India.....	475	520						

<sup>a</sup> Including only vessels of 1,000 GRT and over. Figures for non-Bloc countries exclude merchant ships owned by any military force and vessels of special type such as ice breakers, cable ships, and the like. US and Canadian figures exclude vessels trading on the Great Lakes. Data for non-Bloc countries are for 30 June of the year unless otherwise noted. Data for Bloc countries are for the end of the year unless otherwise noted.

<sup>b</sup> 1 September 1939.

<sup>c</sup> Including vessels in the national defense reserve fleet. Excluding vessels which were transferred to other flags under Lend Lease or other agreements and which remain under those registries as a result of subsequent arrangements.

<sup>d</sup> 31 December 1950.

<sup>e</sup> Albania has no merchant fleet.

Table 119  
INVENTORY OF RIVER FLEET IN THE USSR  
1945, 1950, AND 1954-56

	Self-Propelled		Non-Self-Propelled	
	Number	Thou- sand Horse- power	Number	Cargo- Carrying Capacity (Million Metric Tons)
Number				
1945.....	3,150	610	5,640	3.8
1950.....	<i>n a</i>	910	<i>n a</i>	6.8
1954.....	<i>n a</i>	1,200	<i>n a</i>	9.2
1955.....	<i>n a</i>	1,300	<i>n a</i>	9.7
1956.....	<i>n a</i>	1,410	<i>n a</i>	10.0

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Table 120  
INVENTORY OF THE DANUBE RIVER FLEET, 1939, 1950, AND 1956

Year	Type of Vessel	Number	Horsepower	Thousand DWT *	Number of Passengers
Soviet Danube Fleet <sup>b</sup>					
1939	None.				
1950	Tugs and freight ships.....	30	23,550	.....	.....
	Self-propelled barges:				
	Dry cargo.....	11	6,010	4.5	.....
	Tankers.....	7	5,375	3.8	.....
	Dumb barges:				
	Dry cargo.....	156	.....	111.6	.....
	Tankers.....	90	.....	72.8	.....
	Passenger vessels.....	4	1,700	.....	1,950
	Total.....	298	36,635	192.7	1,950
1956	Tugs and freight ships.....	35	27,000	.....	.....
	Self-propelled barges:				
	Dry cargo.....	15	8,500	6.0	.....
	Tankers.....	10	7,500	5.0	.....
	Dumb barges:				
	Dry cargo.....	170	.....	119.0	.....
	Tankers.....	100	.....	81.0	.....
	Passenger vessels.....	10	3,200	.....	3,500
	Total.....	340	46,200	211.0	3,500
Hungarian Danube Fleet					
1939	Tugs.....	34	16,370	.....	.....
	Cargo barges and ships.....	239	3,640	146.6	.....
	Passenger vessels.....	15	8,340	.....	n a
	Total.....	288	28,350	146.6	n a
1950	Tugs and freight ships.....	25	14,000	.....	.....
	Self-propelled barges.....	8	4,700	4.6	.....
	Dumb barges:				
	Dry cargo <sup>c</sup> .....	175	.....	70.0	.....
	Tankers.....	14	.....	10.4	.....
	Passenger vessels <sup>c</sup> .....	20	6,000	.....	9,000
	Total.....	242	24,700	85.0	9,000
1956	Tugs and freight ships.....	27	16,100	.....	.....
	Self-propelled barges.....	8	4,700	4.0	.....
	Dumb barges:				
	Dry cargo <sup>c</sup> .....	235	.....	135.1	.....
	Tankers.....	20	.....	15.1	.....
	Passenger vessels (including motor-boats) <sup>c</sup> .....	22	7,000	.....	10,330
	Total.....	312	27,800	154.2	10,330

See footnotes at end of table.

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Table 120 (Continued)

<u>Year</u>	<u>Type of Vessel</u>	<u>Number</u>	<u>Horsepower</u>	<u>Thousand DWT *</u>	<u>Number of Passengers</u>
<b>Bulgarian Danube Fleet</b>					
1939	Tugs.....	0	0	.....	.....
	Passenger/freighters.....	5	2,440	n a	n a
	Dumb barges:				
	Dry cargo.....	11	.....	10.8	.....
	Tankers.....	4	.....	1.8	.....
	Total.....	20	2,440	12.9	n a
1950	Tugs and freighters.....	14	9,750	4.3	.....
	Dumb barges:				
	Dry cargo.....	70	.....	45.0	.....
	Tankers.....	12	.....	5.4	.....
	Passenger vessels.....	9	4,500	.....	5,400
	Total.....	105	14,250	54.7	5,400
1956	Tugs and freight ships <sup>d</sup> .....	24	15,250	7.9	.....
	Dumb barges and lighters: <sup>e</sup>				
	Dry cargo.....	115	.....	96.1	.....
	Tankers.....	17	.....	14.9	.....
	Passenger vessels.....	10	5,500	.....	6,400
	Total.....	166	20,750	118.9	6,400
<b>Czechoslovak Danube Fleet</b>					
1939	Tugs.....	14	8,000	.....	.....
	Self-propelled barges:				
	Dry cargo.....	10	3,000	4.0	.....
	Tankers.....	3	4,000	2.0	.....
	Dumb barges:				
	Dry cargo.....	126	.....	77.0	.....
	Tankers.....	17	.....	24.0	.....
	Passenger vessels.....	2	730	.....	n a
	Total.....	172	15,730	97.0	n a
1950	Tugs.....	15	11,000	.....	.....
	Self-propelled barges:				
	Dry cargo.....	8	3,000	4.0	.....
	Tankers.....	3	3,000	1.7	.....
	Dumb barges:				
	Dry cargo.....	115	.....	87.0	.....
	Tankers.....	21	.....	17.6	.....
	Passenger vessels.....	2	730	.....	n a
	Total.....	164	17,730	110.3	n a
1956	Tugs.....	20	15,000	.....	.....
	Self-propelled barges:				
	Dry cargo.....	8	3,000	4.0	.....
	Tankers.....	3	3,000	1.7	.....
	Dumb barges:				
	Dry cargo.....	169	.....	133.0	.....
	Tankers.....	28	.....	25.0	.....
	Passenger vessels.....	3	1,000	.....	n a
	Total.....	231	22,000	163.7	n a

See footnotes at end of table.

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Table 120 (Continued)

Year	Type of Vessel	Number	Horsepower	Thousand DWT *	Number of Passengers
Rumanian Danube Fleet <sup>t</sup>					
1939	Tugs.....	42	19,355	.....	.....
	Cargo barges, ships and tankers.....	262	2,070	220.8	.....
	Passenger vessels.....	0	0	0	0
	Total.....	304	21,425	220.8	0
1952	Tugs and freight ships.....	65	26,800	.....	.....
	Self-propelled barges:				
	Dry cargo.....	1	400	0.4	.....
	Tankers.....	2	2,400	1.5	.....
	Dumb barges:				
	Dry cargo.....	255	.....	165.2	.....
	Tankers.....	50	.....	33.8	.....
	Passenger vessels.....	10	4,200	.....	3,400
	Total.....	383	23,800	200.9	3,400
1956	Tugs and freight ships.....	68	28,000	.....	.....
	Self-propelled barges:				
	Dry cargo.....	1	400	0.4	.....
	Tankers.....	2	2,400	1.5	.....
	Dumb barges:				
	Dry cargo.....	270	.....	173.8	.....
	Tankers.....	65	.....	46.2	.....
	Passenger vessels.....	14	5,300	.....	4,700
	Total.....	420	36,100	221.9	4,700
Yugoslav Danube Fleet <sup>s</sup>					
1938	Tugs and freighters.....	75	35,900	n a	.....
	Dumb barges:				
	Dry cargo.....	675	.....	330.0	.....
	Tankers.....	41	.....	32.0	.....
	Passenger vessels.....	22	8,000	.....	n a
	Total.....	813	43,900	362.0	n a
1950	Tugs and freighters.....	68	20,500	n a	.....
	Dumb barges:				
	Dry cargo.....	500	.....	235.0	.....
	Tankers.....	58	.....	42.1	.....
	Passenger vessels.....	7	2,100	.....	2,055
	Total.....	633	22,600	277.1	2,055
1954	Tugs and freighters.....	77	24,000	.....	.....
	Dumb barges:				
	Dry cargo.....	450	.....	210.0	.....
	Tankers.....	51	.....	37.3	.....
	Passenger vessels.....	7	2,100	.....	2,055
	Total.....	585	26,100	247.3	2,055

See footnotes at end of table.

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Table 120 (Continued)

Year	Type of Vessel	Number	Horsepower	Thousand DWT *	Number of Passengers
Austrian Danube Fleet <sup>b</sup>					
1938/ Tugs.....	41	25,890	.....	.....	.....
39 Self-propelled vessels.....	13	6,090	7.2	.....	.....
Dumb barges:					
Dry cargo.....	371	.....	257.9	.....	.....
Tankers.....	37	.....	30.3	.....	.....
Passenger vessels.....	18	13,115	.....	.....	n a
Total.....	480	45,095	295.4	.....	n a
1953 <sup>i</sup> Tugs.....	28	21,045	.....	.....	.....
Freighters.....	1	440	0.5	.....	.....
Dumb barges:					
Dry cargo.....	157	.....	113.3	.....	.....
Tankers.....	36	.....	33.9	.....	.....
Passenger vessels.....	12	8,825	.....	.....	14,800
Total.....	234	30,310	147.7	.....	14,800
1956 <sup>i</sup> Tugs.....	30	22,845	.....	.....	.....
Freighters.....	1	440	0.5	.....	.....
Dumb barges:					
Dry cargo.....	175	.....	124.3	.....	.....
Tankers.....	41	.....	38.4	.....	.....
Passenger vessels.....	13	9,925	.....	.....	15,800
Total.....	260	33,210	163.2	.....	15,800
West German Danube Fleet					
1938 Tugs.....	20	13,000	.....	.....	.....
Self-propelled vessels:					
Dry cargo.....	19	7,000	10.0	.....	.....
Tankers.....	10	6,000	7.0	.....	.....
Dumb barges:					
Dry cargo.....	131	.....	115.0	.....	.....
Tankers.....	54	.....	38.0	.....	.....
Total.....	234	26,000	170.0	.....	.....
1953 Barges.....	...	.....	120.0	.....	.....

<sup>a</sup> Deadweight tonnage (DWT).<sup>b</sup> Including both SDGP (Soviet Danube fleet) and DDSG (a portion of the Austrian Danube fleet taken over by the USSR).<sup>c</sup> About 10 percent of the dry cargo barges and the passenger vessels may be assigned to the Tisza River.<sup>d</sup> Excluding harbor tugs.<sup>e</sup> Including vessels which may be on loan from or rented from the USSR.<sup>f</sup> It is probable that a large part of Rumania's fleet, perhaps as much as 35 percent, was out of use or under repair because of age in the postwar years up to 1955. From 1955 onward, indications are that new construction and repair are bringing the number of vessels actually in operation closer to the estimated totals shown.<sup>g</sup> Estimated from Yugoslav records of total fleet on all rivers.<sup>h</sup> Known as the DDSG.<sup>i</sup> Including 16 rented vessels: 4 tugs, 2,530 HP; 12 barges, 11,778 tons.<sup>j</sup> Including only 1953 data plus vessels due to be returned in 1955-56 by USSR. No information is available on new construction.

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Table 121  
INVENTORY OF LOCOMOTIVES,<sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Units	
					1956	1956
NATO <sup>b</sup> .....	<i>n a</i>	<i>n a</i>	97,700	89,900		<i>n a</i>
US.....	46,600	40,500	32,900	31,400	<sup>c</sup> 30,300	
USSR <sup>d</sup> .....	24,600	29,800	32,600	33,800	34,500	
Communist China.....	<i>n a</i>	<i>n a</i>	3,420	3,500	3,650	
North Korea.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	610	
North Vietnam.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	60	<i>n a</i>	
Bulgaria.....	<sup>e</sup> 482	<i>n a</i>	608	614	622	
Czechoslovakia.....	<i>n a</i>	<i>n a</i>	<sup>f</sup> 5,030	<i>n a</i>	<i>n a</i>	
East Germany.....	<sup>g</sup> 6,800	4,770	5,560	<sup>h</sup> 5,570	<sup>h</sup> 5,710	
Hungary.....	1,850	<i>n a</i>	1,820	1,860	2,000	
Poland.....	5,290	<i>n a</i>	5,600	5,600	5,600	
Rumania.....	3,420	<i>n a</i>	2,500	2,440	2,390	

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	2,390	2,410	Italy <sup>k</sup> .....	7,310	7,220	Portugal <sup>l</sup> .....	559	<i>n a</i>
Canada.....	<sup>i</sup> 4,820	<i>n a</i>	Luxembourg <sup>j</sup> .....	157	154	Turkey.....	929	1,070
Denmark <sup>j</sup> .....	1,200	1,160	Netherlands.....	1,230	1,220	UK.....	21,000	20,800
France.....	12,300	11,700	Norway.....	699	708	West Germany....	12,000	12,100
Greece <sup>l</sup> .....	211	<i>n a</i>						

## OTHER COUNTRIES

Finland.....	876	877	Japan <sup>l m</sup> .....	5,490	5,470	Yugoslavia.....	3,370	2,370
India <sup>m</sup> .....	8,630	8,800	Spain.....	3,800	<i>n a</i>			

<sup>a</sup> Including diesel-electric, steam, and electric locomotives, and rail motor vehicles. Bloc data as of the end of the year unless otherwise noted.

<sup>b</sup> Excluding Iceland; Canada, Greece, and Portugal (1955).

<sup>c</sup> Preliminary.

<sup>d</sup> Mainline locomotives only.

<sup>e</sup> 1939.

<sup>f</sup> As of 1 January.

<sup>g</sup> 1936.

<sup>h</sup> As of July.

<sup>i</sup> 1953.

<sup>j</sup> Excluding electric locomotives.

<sup>k</sup> Including Trieste.

<sup>l</sup> State railways only.

<sup>m</sup> Excluding railcars.

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Table 122  
INVENTORY OF RAILWAY FREIGHT CARS,<sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Thousands Units	
					1956	1956
US <sup>b</sup> . . . . .	1,700	1,720	1,740	1,700	1,700	1,700
USSR <sup>d</sup> . . . . .	781	1,050	1,240	1,310	n a	n a
Communist China <sup>e</sup> . . . . .	46.8	n a	73.1	78.5	n a	n a
North Korea <sup>e</sup> . . . . .	n a	n a	n a	12.8	n a	n a
North Vietnam . . . . .	n a	n a	n a	0.7	n a	n a
Albania . . . . .	0	n a	n a	n a	n a	n a
Bulgaria . . . . .	f 10.9	n a	15.9	16.8	17.6	17.6
Czechoslovakia . . . . .	n a	n a	* 178	* 116	n a	n a
East Germany . . . . .	n a	99.8	142	146	n a	n a
Hungary . . . . .	42.6	n a	55.0	56.3	52.0	52.0
Poland . . . . .	153	n a	200	204	210	210
Rumania . . . . .	63.1	n a	56.2	56.4	56.6	56.6

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium . . . . .	78.2	76.5	Italy . . . . .	133	131	Portugal . . . . .	10.1	n a
Canada . . . . .	<sup>b</sup> 188	n a	Luxembourg . . . . .	4.00	3.70	Turkey . . . . .	17.2	17.1
Denmark <sup>i</sup> . . . . .	14.4	14.0	Netherlands . . . . .	24.7	24.3	UK . . . . .	1,120	1,120
France . . . . .	384	377	Norway . . . . .	12.7	12.6	West Germany . . . . .	281	287
Greece <sup>i</sup> . . . . .	4.61	n a						

## OTHER COUNTRIES

Finland . . . . .	25.7	26.0	Japan <sup>i</sup> . . . . .	107	107	Yugoslavia . . . . .	66.7	67.1
India <sup>j</sup> . . . . .	230	234	Spain . . . . .	82.9	n a			

<sup>a</sup> Data refer to either 2- or 4-axle units, and the size is given in the footnotes if it is known. Because of lack of comparability in data, NATO and Sino-Soviet Bloc totals are omitted.

<sup>b</sup> Excluding railroad-controlled private refrigerator car lines. All freight cars in the US have four axles.

<sup>c</sup> 11 months.

<sup>d</sup> Equivalent two-axle units.

<sup>e</sup> Most Chinese and North Korean cars have four axles.

<sup>f</sup> 1939.

<sup>g</sup> As of 1 January.

<sup>h</sup> 1953.

<sup>i</sup> State railway cars only.

<sup>j</sup> Including service vehicles.

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Table 123  
INVENTORY OF RAILWAY PASSENGER CARS,<sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Thousands Units	
					1954	1956
NATO <sup>b</sup> .....	<i>n a</i>	<i>n a</i>	151	142	<i>n a</i>	
US <sup>c</sup> .....	46.9	43.4	37.8	36.9	<sup>d</sup> 36.5	
USSR.....	32.8	37.2	46.8	49.2	51.7	
Communist China.....	<i>n a</i>	<i>n a</i>	6.24	6.42	<i>n a</i>	
NATO COUNTRIES						
	1954	1955		1954	1955	
Belgium.....	4.66	4.36	Italy.....	11.0	11.0	Portugal..... 1.08 <i>n a</i>
Canada.....	<sup>e</sup> 6.46	<i>n a</i>	Luxembourg.....	0.279	0.276	Turkey..... 1.18 1.32
Denmark.....	2.46	2.45	Netherlands.....	1.57	1.52	UK..... 41.9 41.7
France.....	17.0	16.8	Norway.....	1.18	1.20	West Germany..... 24.1 24.4
Greece <sup>f</sup> .....	0.152	<i>n a</i>	OTHER COUNTRIES			
			Finland.....	1.18	<i>n a</i>	Japan <sup>f</sup> ..... 13.9 14.1
			India.....	22.8	23.3	Spain..... 3.56 <i>n a</i> Yugoslavia..... 3.84 3.87

<sup>a</sup> Bloc data as of the end of year unless otherwise noted.<sup>b</sup> Excluding Iceland. The 1955 total also excludes Canada, Greece, and Portugal.<sup>c</sup> The 1954-56 data include cars operated by the Pullman Company.<sup>d</sup> 6 months.<sup>e</sup> 1953.<sup>f</sup> State railway cars only.

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Table 124  
INVENTORY OF TRUCKS,<sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Thousands Units	
					1956	
NATO <sup>b</sup> .....	<i>n a</i>	<i>n a</i>	14,100	14,400	<i>n a</i>	
US.....	• 4,280	• 8,380	• 9,550	• 9,740	• 10,100	
USSR.....	• 771	1,260	1,950	2,140	<i>n a</i>	
Communist China.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	70	
North Korea.....	<i>n a</i>	2	18	20	<i>n a</i>	
North Vietnam.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	3	
Bulgaria.....	• 2.32	<i>n a</i>	6.75	7.45	8.30	
Czechoslovakia <sup>f</sup> .....	<i>n a</i>	<i>n a</i>	<i>n a</i>	11,600	<i>n a</i>	
East Germany.....	95.2	115	106	<i>n a</i>	<i>n a</i>	
Hungary.....	3.80	<i>n a</i>	30.0	<i>n a</i>	<i>n a</i>	
Poland <sup>e</sup> .....	<i>n a</i>	39.5	65.1	77.7	83.8	
Rumania.....	4.07	<i>n a</i>	<i>n a</i>	<i>n a</i>	15.0	
NATO COUNTRIES						
	1954	1955		1954	1955	
Belgium.....	• 159	<i>n a</i>	Italy.....	330	413	Portugal.....
Canada <sup>c</sup> .....	918	977	Luxembourg.....	5.85	6.31	Turkey.....
Denmark.....	92.4	99.3	Netherlands.....	96.8	98.0	UK.....
France.....	1,080	1,270	Norway.....	75.8	79.9	West Germany.....
Greece.....	19.2	<i>n a</i>				627
						615

<sup>a</sup> NATO data are based on census or registration numbers in the years for which those figures are available; for other years the officially estimated number of vehicles in use is shown. Bloc inventory data are as of the end of year unless otherwise noted.

<sup>b</sup> Excluding Iceland; Belgium, Greece, Portugal, and Turkey (1955).

<sup>c</sup> Including buses, tractor and semi-trailer combinations.

<sup>d</sup> Including trucks only.

<sup>e</sup> 1939.

<sup>f</sup> As of 1 January 1955. Including trucks, tractors, and trailers held by Ceskoslovenske Automobilova Doprava (Czechoslovak Bus and Trucking Co.).

<sup>g</sup> As of 1 January.

<sup>h</sup> 1953.

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Table 125  
VOLUME OF CONSTRUCTION, 1938, 1950, AND 1954-56

Country	Unit of Measure	1938	1950	1954	1955	1956	Value <sup>a</sup>
US.....	Billions of 1947-49 US\$.....	13.5	26.6	31.1	34.5	33.8	
USSR.....	Billions of July 1955 rubles.....	27.6	54.7	88.8	93.5	107	
Czechoslovakia.....	Billions of 1953 crowns.....	7.9	11.2	17.6	18.3	20	
East Germany.....	Billions of 1950 Deutsche Mark.....	<i>n a</i>	2.4	4.3	4.6	5.6	
Poland.....	Billions of 1955 zlotys.....	<sup>b</sup> 11	12	27	28	28	

<sup>a</sup> Because of the difficulty of determining valid exchange rates, data are not presented in terms of a common currency. In lieu of rates which would be appropriate to apply to the construction industry, the following official exchange rates are listed here merely to give a general idea of the value of the foreign currencies. These rates should be used with caution, as they were arbitrarily established and maintained.

Country	Currency	Value in US\$
USSR.....	1955 ruble.....	0.25
Czechoslovakia.....	1953 crown.....	0.1389
East Germany.....	1950 Deutsche Mark.....	0.30
Poland.....	1955 zloty.....	0.25

<sup>b</sup> 1937.

Table 126

NEW URBAN HOUSING CONSTRUCTION • IN THE SINO-SOVIET BLOC, 1938, 1950, 1954-56

Country	1938	1950	1954	Thousands Square Meters	
				1955	1956
Sino-Soviet Bloc <sup>b</sup> .....	<i>n a</i>	<i>n a</i>	50,600	53,400	58,700
USSR.....	9,900	24,200	31,100	32,300	36,000
Communist China <sup>c</sup> .....	<i>n a</i>	<i>n a</i>	13,000	14,000	17,800
European Satellites <sup>b</sup> .....	<i>n a</i>	<i>n a</i>	6,480	7,140	5,190
Bulgaria <sup>c</sup> .....	<i>n a</i>	80	500	560	574
Czechoslovakia <sup>c</sup> .....	<i>n a</i>	1,540	998	1,250	1,130
East Germany <sup>c</sup> .....	<i>n a</i>	<i>n a</i>	1,800	1,600	<i>n a</i>
Hungary.....	<i>n a</i>	740	816	946	720
Poland.....	<i>n a</i>	1,730	1,980	2,320	2,180
Rumania.....	<i>n a</i>	370	390	470	580

<sup>a</sup> Including state and private unless otherwise noted.

<sup>b</sup> These totals are slight understatements because private housing construction in certain countries is not included.

<sup>c</sup> State only.

Table 127  
PRODUCTION OF CEMENT, 1938, 1946, 1948, 1950-56, AND 1960 PLAN

Country	1938	1946	1948	1950	1951	1952	1953	1954	1955	1956	Thousands Metric Tons
											1960 Plan
NATO <sup>a</sup> .....	49,800	49,400	67,600	82,500	90,400	94,900	103,000	107,000	122,000	128,000	.....
US.....	18,200	28,300	35,500	39,100	42,400	43,000	45,500	46,900	53,500	56,700	.....
Sino-Soviet Bloc.....	12,700	<i>n a</i>	12,300	21,500	24,000	27,200	32,000	36,000	41,200	46,900	<i>n a</i>
USSR.....	5,700	3,400	6,500	10,200	12,100	13,900	16,000	19,000	22,500	24,900	55,000
Communist China.....	1,050	<i>n a</i>	Negl.	1,400	2,500	2,900	3,900	4,600	4,500	6,400	<i>n a</i>
North Korea.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	350	Negl.	Negl.	26	225	350	597	<i>n a</i>
North Vietnam.....	266	36	98	143	213	225	290	254	100	230	<i>n a</i>
European Satellites.....	5,700	<i>n a</i>	5,750	8,360	9,200	10,100	11,700	11,900	13,700	14,700	<i>n a</i>
Albania.....	<sup>b</sup> 14	<i>n a</i>	9.6	15	18	19	13	15	43	62	126
Bulgaria.....	180	<i>n a</i>	378	594	630	680	714	792	817	859	<i>n a</i>
Czechoslovakia.....	<sup>c</sup> 1,270	<i>n a</i>	1,660	2,000	2,060	2,210	2,320	2,560	2,890	3,150	4,510
East Germany.....	<sup>d</sup> 1,690	<i>n a</i>	936	1,410	1,660	2,020	2,450	2,640	2,970	3,440	5,200
Hungary.....	323	133	316	797	948	1,057	1,060	947	1,180	995	<i>n a</i>
Poland.....	1,720	1,400	1,800	2,510	2,700	2,650	3,290	3,440	3,810	4,040	<i>n a</i>
Rumania.....	510	315	650	1,030	1,140	1,500	1,900	1,560	2,000	2,200	<i>n a</i>

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium.....	4,600	4,660	Iceland.....	<i>n a</i>	<i>n a</i>	Portugal.....	780	1,020
Canada.....	4,000	4,690	Italy.....	10,600	10,800	Saar.....	290	327
Denmark.....	1,130	1,210	Luxembourg.....	<i>n a</i>	<i>n a</i>	Turkey.....	816	970
France.....	10,800	11,400	Netherlands.....	1,100	1,260	UK.....	12,700	13,100
Greece.....	1,130	1,230	Norway.....	908	873	West Germany.....	18,800	19,700

## OTHER COUNTRIES

Austria.....	1,860	1,940	Japan.....	10,600	13,000	Sweden.....	2,170	2,200
Finland.....	1,010	1,040	Spain.....	3,840	4,050	Yugoslavia.....	1,560	1,520
India.....	4,560	5,030						

<sup>a</sup> Excluding Iceland and Luxembourg. Data refer, as nearly as possible, to all types of hydraulic cements used for construction.

<sup>b</sup> 1939.

<sup>c</sup> 1937.

<sup>d</sup> 1936.

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Table 128  
PRODUCTION OF BRICKS, 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	1956	Million Units
NATO <sup>a</sup> .....	17,600	22,400	28,300	30,200	29,100	
US.....	3,530	6,330	6,150	7,150	7,330	
Sino-Soviet Bloc.....	15,100	15,300	26,800	29,500	29,800	
USSR.....	7,600	10,200	18,800	20,800	21,000	
European Satellites.....	7,460	5,080	8,010	8,540	8,840	
Albania.....	0.8	3.6	12.7	18	22.3	
Bulgaria.....	<sup>b</sup> 52	335	618	655	700	
Czechoslovakia.....	<sup>c</sup> 836	1,020	1,320	1,480	1,590	
East Germany.....	<sup>d</sup> 3,670	1,360	1,910	1,960	1,950	
Hungary.....	647	796	1,140	1,200	1,187	
Poland.....	1,880	1,240	2,450	2,560	2,620	
Rumania.....	372	340	558	664	858	

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium.....	2,280	2,110	France.....	4,650	4,650	Norway.....	103	96
Canada.....	476	544	Greece.....	600	<i>n a</i>	UK.....	7,160	7,130
Denmark.....	421	<i>n a</i>	Netherlands.....	1,440	1,490	West Germany....	5,930	5,730

## OTHER COUNTRIES

Sweden.....	319	<i>n a</i>
-------------	-----	------------

<sup>a</sup> Excluding Iceland, Italy, Luxembourg, Portugal, and Turkey; Denmark and Greece (1956).

<sup>b</sup> 1939.

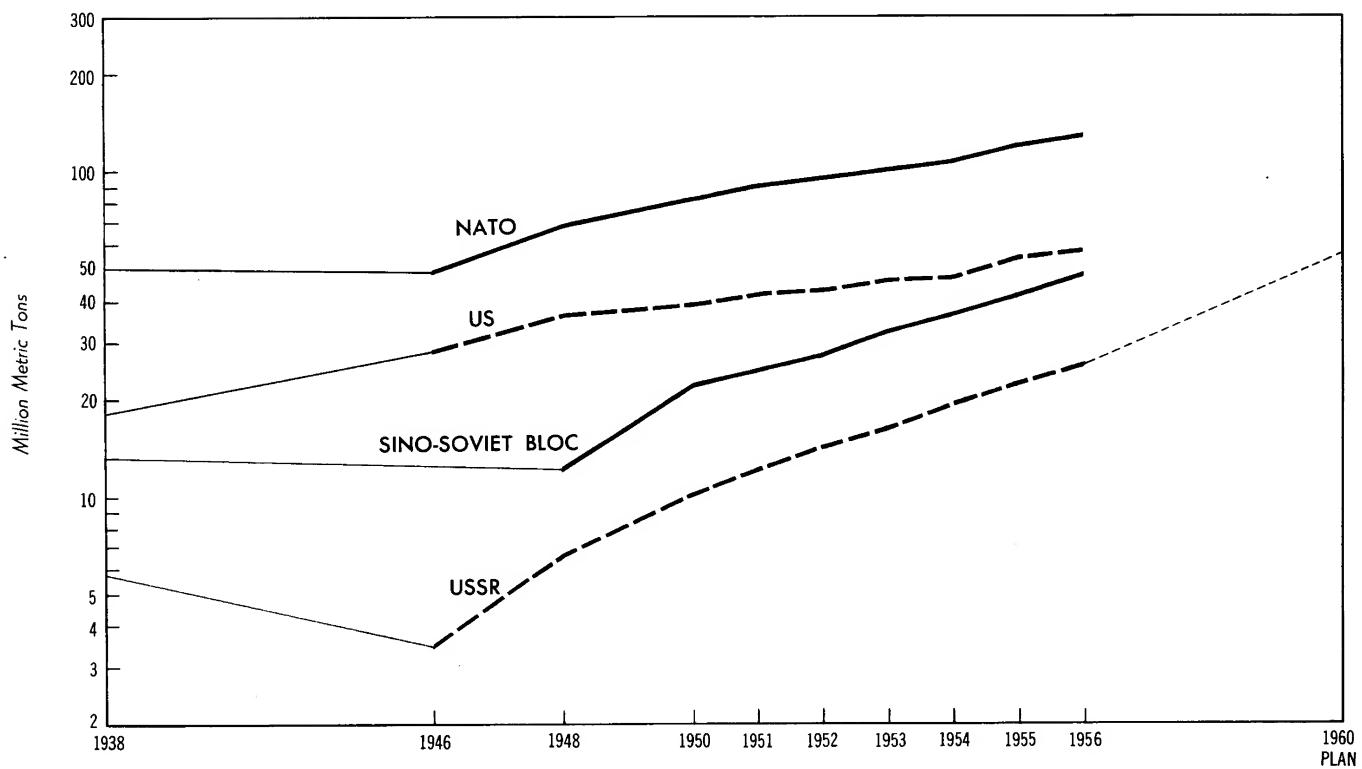
<sup>c</sup> 1937.

<sup>d</sup> 1936.

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Figure 17

**COMPARISON OF PRODUCTION OF CEMENT  
IN SELECTED AREAS, 1938, 1946, 1948, 1950-56, AND 1960 PLAN**



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COMMUNICATIONS

Table 129

## NUMBER OF WIRED LOUDSPEAKERS IN CIVIL USE, 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	1956	Thousands Units
NATO *	<i>n a</i>	<i>n a</i>	<i>n a</i>	1,740	1,750	
Sino-Soviet Bloc	3,300	10,300	18,600	23,200	27,600	
USSR	3,300	9,700	16,400	19,500	22,600	
Communist China	<i>n a</i>	<i>n a</i>	<i>n a</i>	697	1,320	
European Satellites	0	604	2,210	3,000	3,670	
Albania	0	0	6	7	8	
Bulgaria	0	27	230	304	378	
Czechoslovakia	<i>n a</i>	<i>n a</i>	<i>n a</i>	50	75	
East Germany	Negl.	Negl.	Negl.	Negl.	Negl.	
Hungary	0	2	240	420	600	
Poland	0	550	1,400	1,700	2,000	
Rumania	<i>n a</i>	25	330	520	610	

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium	129	130	Netherlands	528	542	UK	1,080	1,080

\* Including Belgium, the Netherlands, and the UK. Data refer to number of licenses issued for radio redistribution (wired) loudspeakers.

Table 130

## NUMBER OF MASS AURAL RADIO BROADCAST TRANSMITTING STATIONS, 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	1956	Units
NATO *	966	3,530	4,270	4,580	<i>n a</i>	
US	734	2,880	3,400	3,660	3,850	
Sino-Soviet Bloc	107	295	383	408	414	
USSR	<sup>b</sup> 77	128	171	175	179	
Communist China <sup>c</sup>	<i>n a</i>	89	120	132	132	
North Korea	<i>n a</i>	11	7	9	9	
European Satellites	30	67	85	92	94	
Albania	1	5	5	7	8	
Bulgaria	4	6	6	7	7	
Czechoslovakia	8	17	22	22	22	
East Germany	<i>n a</i>	15	20	20	20	
Hungary	7	8	8	8	9	
Poland	8	12	16	17	17	
Rumania	2	4	8	11	11	

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium	12	12	Iceland	4	4	Portugal <sup>d</sup>	43	45
Canada	238	246	Italy	130	178	Saar	3	<i>n a</i>
Denmark	11	13	Luxembourg	4	4	Turkey	<i>n a</i>	5
France	75	42	Netherlands	8	8	UK	65	54
Greece	17	16	Norway	29	29	West Germany	232	262

\* The 1954 total excludes Turkey. Data refer only to stations broadcasting to the public.

<sup>b</sup> 1937.

<sup>c</sup> Data refer to number of transmitters. There may be more than one transmitter per station.

<sup>d</sup> Including the Azores and Madeira.

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Table 131  
NUMBER OF TELEVISION TRANSMITTING STATIONS, 1950 AND 1954-56

Country	1950	1954	1955	1956	Units
NATO <sup>a</sup> .....	<i>n a</i>	695	694	728	
US.....	97	573	582	609	
Sino-Soviet Bloc <sup>b</sup> .....	2	9	23	44	
USSR.....	2	5	11	25	
European Satellites.....	0	4	12	19	
Bulgaria.....	0	0	0	1	
Czechoslovakia.....	0	1	2	3	
East Germany.....	0	1	7	11	
Hungary.....	0	1	1	1	
Poland.....	0	1	1	2	
Rumania.....	0	0	1	1	

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium.....	4	4	Luxembourg.....	1	1	Saar.....	1	1
Canada.....	26	<i>n a</i>	Netherlands.....	2	2	Turkey.....	1	1
Denmark.....	2	3	Norway.....	1	1	UK.....	17	19
France.....	<sup>c</sup> 12	17	Portugal.....	0	1	West Germany.....	28	32
Italy.....	17	37						

<sup>a</sup> No stations in Greece and Iceland. There were no stations in Norway and Turkey until 1955 or in Portugal until 1956. The 1956 total excludes Canada.

<sup>b</sup> No stations in Communist China, North Korea, North Vietnam, or Albania.

<sup>c</sup> Including Algeria.

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Table 132

NUMBER OF MASS AURAL RADIO BROADCAST RECEIVERS IN CIVIL USE,<sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	Thousands Units	
				1955	1956
NATO <sup>b</sup> .....	72,200	128,000	180,000	196,000	201,000
US.....	41,000	90,000	124,000	139,000	144,000
Sino-Soviet Bloc.....	3,330	9,810	16,600	19,500	25,400
USSR.....	691	1,800	4,700	6,100	10,200
Communist China.....	<i>n a</i>	1,000	1,350	1,400	1,450
North Korea.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	100
North Vietnam.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	10
European Satellites.....	2,640	7,010	10,500	12,000	13,700
Albania.....	3	20	21	22	23
Bulgaria.....	50	210	280	300	320
Czechoslovakia.....	1,000	2,400	2,800	2,900	3,000
East Germany.....	<i>n a</i>	2,600	4,100	5,000	6,000
Hungary.....	420	620	1,260	1,430	1,700
Poland.....	900	890	1,500	1,700	1,900
Rumania.....	270	270	560	640	720

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium.....	2,000	2,070	Iceland.....	40.6	41	Portugal.....	479	1,200
Canada.....	8,080	<i>n a</i>	Italy.....	6,180	7,000	Saar.....	234	234
Denmark.....	1,350	1,700	Luxembourg.....	80	81	Turkey.....	999	1,200
France.....	9,530	10,200	Netherlands.....	2,160	2,340	UK.....	13,200	14,200
Greece.....	490	500	Norway.....	948	1,400	West Germany....	13,300	14,500

<sup>a</sup> Excluding wire diffusion loudspeaker receiving units.<sup>b</sup> The 1956 total excludes Canada. Data for Canada and the US in all years and the 1956 data for all countries refer to the estimated number of radio receivers in use. Except for 1956, the data for other NATO countries refer to number of licenses issued.

° Combined sound and television licenses.

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Table 133  
NUMBER OF TELEVISION RECEIVERS IN CIVIL USE, 1950 AND 1954-56

Country	1950	1954	Thousands Units	
			1955	1956
NATO <sup>a</sup> .....	<i>n a</i>	<i>n a</i>	43,700	49,100
US.....	9,800	31,500	36,200	40,800
Sino-Soviet Bloc <sup>b</sup> .....	10	469	898	1,750
USSR.....	10	450	820	1,630
European Satellites.....	0	19.3	77.6	116
Bulgaria.....	0	0	0	0.30
Czechoslovakia.....	0	4.0	32	58
East Germany.....	0	15	45	55
Hungary.....	0	0.1	0.2	0.8
Poland.....	0	0.2	0.3	1.7
Rumania.....	0	0	0.1	0.1

## NATO COUNTRIES

	1955	1956		1955	1956		1955	1956
Belgium.....	72	125	Luxembourg.....	1.0	1.0	Saar.....	0.8	3.5
Canada.....	2,000	<i>n a</i>	Netherlands.....	60	100	Turkey.....	0.2	0.2
Denmark.....	8.2	40	Norway.....	0.3	0.3	UK.....	4,620	6,540
France.....	225	400	Portugal.....	0	0.3	West Germany.....	284	700
Italy.....	180	410						

<sup>a</sup> No receivers in use in Greece and Iceland and in Portugal until 1956. Data refer to licenses issued or to the estimated number of receivers in use.

<sup>b</sup> No receivers in use in Communist China, North Korea, North Vietnam, or Albania.

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Table 134  
NUMBER OF TELEPHONE SUBSCRIBERS, <sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	1956	Thousands Units
NATO.....	<sup>b</sup> 31,600	60,300	75,200	80,600	<i>n a</i>	
US.....	20,000	43,000	52,800	56,200	<i>n a</i>	
Sino-Soviet Bloc.....	2,450	2,950	4,110	<i>n a</i>	4,670	
USSR.....	1,300	1,400	1,800	1,900	2,100	
Communist China.....	160	250	450	<i>n a</i>	460	
North Korea.....	9.09	<i>n a</i>	<sup>c</sup> 14.8	<i>n a</i>	<i>n a</i>	
European Satellites.....	977	1,300	1,840	1,980	2,110	
Albania.....	0.90	1.1	1.4	1.5	1.6	
Bulgaria.....	29	76	110	120	130	
Czechoslovakia.....	220	45	607	660	717	
East Germany.....	270	360	473	482	510	
Hungary.....	160	84	204	224	240	
Poland.....	210	190	301	338	369	
Rumania.....	92	130	145	148	150	

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	830	878	Iceland.....	25.5	27.1	Portugal.....	232	256
Canada.....	3,850	4,150	Italy.....	1,880	2,190	Saar.....	49.5	54.6
Denmark.....	862	894	Luxembourg.....	29.9	32.5	Turkey.....	132	145
France.....	2,950	3,120	Netherlands.....	1,020	1,120	UK.....	6,440	6,830
Greece.....	110	122	Norway.....	558	588	West Germany.....	3,440	3,980

<sup>a</sup> Data for the Sino-Soviet Bloc refer to telephone subscribers, including both private and civil governmental (other than military) users. Data for NATO refer to telephones in use, including both public and private telephones which can be connected to a central exchange. The number of subscribers is less than the number of telephones in the same country, but no reliable ratio between the two can be supplied.

<sup>b</sup> 1937 except US, for which 1938 data are used.

<sup>c</sup> 1952.

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Table 135  
TELEPHONE CONVERSATIONS,<sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Million Conversations	
					1956	
NATO <sup>b</sup> .....	<i>n a</i>	<i>n a</i>	4,920	5,080	<i>n a</i>	
US.....	877	2,120	2,370	2,630	<i>n a</i>	
Sino-Soviet Bloc.....	146	288	411	493	522	
USSR.....	57	103	126	135	141	
Communist China.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	54.9	61.9	
North Korea.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	3.22	<i>n a</i>	
European Satellites.....	89.4	185	285	300	319	
Albania.....	0.05	0.11	0.15	0.16	0.17	
Bulgaria.....	3.0	14.0	26.0	29.5	33.1	
Czechoslovakia.....	19	58	86	90	94	
East Germany.....	24	16.0	19.7	21.0	22.0	
Hungary.....	6.6	13.9	24.1	25.2	26.3	
Poland.....	28	47.0	89.4	94.2	103	
Rumania.....	8.6	35.8	38.7	39.5	40.0	

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	76.3	83.7	Iceland.....	1.5	1.7	Portugal.....	38.6	43.3
Canada.....	138	153	Italy.....	203	233	Saar.....	1.3	1.3
Denmark.....	166	172	Luxembourg.....	8.90	<i>n a</i>	Turkey.....	6.4	7.5
France.....	498	532	Netherlands.....	232	265	UK.....	308	335
Greece.....	4.7	6.2	Norway.....	56.3	57.7	West Germany.....	486	558

<sup>a</sup> Long-distance telephone calls, including both domestic and international calls.<sup>b</sup> Excluding Luxembourg (1955). Data for Italy are included in terms of 3-minute units.

Table 136

## NUMBER OF TELEGRAMS SENT OVER THE DOMESTIC CIVIL SYSTEM, 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Million Telegrams	
					1956	
NATO <sup>a</sup> .....	345	334	294	295	<i>n a</i>	
US.....	186	179	153	154	<i>n a</i>	
Sino-Soviet Bloc.....	144	228	294	313	329	
USSR.....	119	154	201	203	213	
Communist China.....	5.4	31	43	57.7	60.2	
North Korea.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	1.57	
European Satellites.....	20.0	43.0	50.3	51.9	54.0	
Albania.....	0.30	1.2	1.5	1.5	1.5	
Bulgaria.....	3.6	6.6	7.6	7.8	8.1	
Czechoslovakia.....	4.9	8.8	12.0	13.0	13.6	
East Germany.....	<i>n a</i>	9.9	7.6	7.6	7.6	
Hungary.....	2.9	4.0	5.8	5.7	6.1	
Poland.....	4.2	7.2	9.9	10.4	10.9	
Rumania.....	4.1	5.3	6.1	6.2	6.4	

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	4.22	4.24	Iceland.....	0.30	0.32	Portugal.....	2.12	2.18
Canada.....	19.4	17.4	Italy.....	31.1	34.4	Turkey.....	9.48	11.5
Denmark.....	1.56	1.48	Luxembourg.....	0.16	0.18	UK.....	25.7	20.5
France.....	15.8	16.3	Netherlands.....	2.52	2.56	West Germany.....	19.3	20.4
Greece.....	4.82	5.11	Norway.....	4.82	4.67			

<sup>a</sup> Data for the most part refer to all types of domestic telegrams, excluding foreign telegrams and cablegrams, received and sent.

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Table 137  
VOLUME OF LETTERS MAILED IN THE DOMESTIC CIVIL SYSTEM, 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Million Letters	
					1954	1956
NATO <sup>a</sup> .....	44,100	66,600	77,000	82,400		<i>n a</i>
US <sup>b</sup> .....	26,000	45,100	52,200	55,200		<i>n a</i>
Sino-Soviet Bloc.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>		<i>n a</i>
USSR <sup>d</sup> .....	<i>n a</i>	2,140	2,810	3,100		3,290
Communist China.....	<i>n a</i>	640	1,100	1,200		1,300
European Satellites.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>		<i>n a</i>
Poland.....	845	844	1,180	1,280		1,370

## NATO COUNTRIES

	1954	1955		1954	1955		1954	1955
Belgium.....	1,930	2,080	Iceland.....	7	7	Portugal.....	259	289
Canada <sup>c</sup> .....	<i>n a</i>	3,040	Italy.....	5,460	<i>n a</i>	Saar.....	46	50
Denmark.....	410	420	Luxembourg.....	34	29	Turkey.....	277	<i>n a</i>
France.....	<i>n a</i>	4,280	Netherlands.....	1,590	1,630	UK.....	9,030	9,230
Greece.....	160	164	Norway.....	281	303	West Germany.....	5,260	5,650

<sup>a</sup> Excluding Canada (1954), Denmark (1950), France (1950 and 1954), Italy (1938 and 1955), Saar (1938 and 1950), and Turkey (1955). Data refer to letters (airmail, ordinary mail, and registered), postcards, printed matter, business papers, small merchandise samples, small packets, and phonopost packets. They include mail carried without a charge but exclude ordinary packages and letters and packages with a declared value, unless otherwise noted. Mail is domestic unless otherwise noted.

<sup>b</sup> Including ordinary packages and letters and packages with a declared value.

<sup>c</sup> Including domestic and foreign mail received and sent.

<sup>d</sup> Data refer to paid letters, including postcards, regular letters, airmail, registered, and special letters.

<sup>e</sup> 1937.

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Table 138

## TOTAL TRADE TURNOVER OF THE SINO-SOVIET BLOC, BY COUNTRY, 1950 AND 1954-56

Country	1950	1954	1955	Million Current US\$
				1956
Sino-Soviet Bloc.....	<i>n a</i>	18,300	19,900	<i>n a</i>
USSR.....	3,200	6,250	6,300	6,880
Communist China.....	1,310	3,450	4,490	4,400
North Korea <sup>a</sup> .....	<i>n a</i>	288	288	249
North Vietnam.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	190
European Satellites.....	3,610	8,310	8,860	<i>n a</i>
Bulgaria.....	252	429	424	<sup>b</sup> 515
Czechoslovakia.....	1,350	1,940	2,230	<sup>b</sup> 2,570
East Germany.....	876	2,380	2,450	<sup>b</sup> 2,750
Hungary.....	644	1,040	1,140	949
Poland.....	1,300	1,770	1,850	<sup>b</sup> 1,880
Rumania.....	405	755	765	<i>n a</i>

<sup>a</sup> Including imports which were aid from other Bloc countries, as follows: 1954, 255 million; 1955, 205 million; and 1956, 180 million.

<sup>b</sup> Estimated.

Table 139

## INTRABLOC TRADE, 1954-56

Country	Imports			Exports			Total Trade		
	1954	1955	1956	1954	1955	1956	1954	1955	1956
Sino-Soviet Bloc.....	n a	n a	n a	n a	n a	<i>n a</i>	14,200	14,900	<i>n a</i>
USSR.....	<i>n a</i>	n a	n a	n a	n a	n a	4,900	4,880	5,150
Communist China.....	<i>n a</i>	2,780	3,680	3,320					
North Korea <sup>a</sup> .....	272	231	215	16.4	25.3	34.4	288	256	249
North Vietnam.....	n a	n a	n a	n a	n a	n a	<i>n a</i>	<i>n a</i>	170
European Satellites.....	n a	n a	n a	n a	n a	<i>n a</i>	6,210	6,090	<i>n a</i>
Bulgaria.....	172	168	<i>n a</i>	201	203	<i>n a</i>	373	371	<sup>b</sup> 425
Czechoslovakia.....	681	683	<i>n a</i>	773	876	<i>n a</i>	1,450	1,560	<sup>b</sup> <sup>c</sup> 1,710
East Germany.....	808	827	<i>n a</i>	1,000	938	<i>n a</i>	1,810	1,760	<sup>b</sup> <sup>c</sup> 2,000
Hungary.....	348	291	284	386	401	307	733	692	<sup>c</sup> 590
Poland <sup>d</sup> .....	641	600	<i>n a</i>	598	564	<i>n a</i>	1,240	1,160	<sup>b</sup> 1,130
Rumania.....	<i>n a</i>	n a	n a	n a	n a	n a	604	535	<i>n a</i>

<sup>a</sup> Including imports which were aid, as follows: 1954, 255 million; 1955, 205 million; and 1956, 180 million.

<sup>b</sup> Estimated.

<sup>c</sup> Including Yugoslavia.

<sup>d</sup> Excluding Albania and the Communist Far East except China.

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Table 140  
SINO-SOVIET TRADE WITH THE FREE WORLD,<sup>a</sup> BY COUNTRY, 1954-56

Country	Imports from Free World						Total Trade with Free World			Million Current US\$	
	1954 1955 1956			1954 1955 1956			1954 1955 1956				
Sino-Soviet Bloc.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	4,110	5,010	<i>n a</i>		
USSR.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	1,350	1,430	1,720		
Communist China.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	670	810	1,080		
North Korea.....	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.		
North Vietnam.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	20	
European Satellites.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	2,090	2,770	<i>n a</i>		
Albania.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>		
Bulgaria.....	24.2	27.3	<i>n a</i>	31.4	25.9	<i>n a</i>	55.6	53.2	<sup>b</sup> 90		
Czechoslovakia.....	252	370	<i>n a</i>	232	300	<i>n a</i>	484	670	<sup>b c</sup> 860		
East Germany.....	288	346	<i>n a</i>	278	340	<i>n a</i>	566	686	<sup>b c</sup> 750		
Hungary.....	165	244	173	140	208	186	304	451	<sup>b</sup> 359		
Poland.....	263	332	<i>n a</i>	271	349	<i>n a</i>	534	681	<sup>b</sup> 751		
Rumania.....	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	<i>n a</i>	151	230	<i>n a</i>		

<sup>a</sup> In general, these figures are based on Bloc sources and do not agree with the data in Table 141, which contains trade data reported by Free World countries.

<sup>b</sup> Estimated.

<sup>c</sup> Excluding Yugoslavia.

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Table 141  
SINO-SOVIET TRADE WITH FREE WORLD, BY AREA OF FREE WORLD, 1950 AND 1954-56

Thousand US\$

Reporting Areas	Imports (f. o. b.) <sup>a</sup>				Exports (c. i. f.) <sup>a</sup>			
	1950	1954	1955	1956 <sup>b</sup>	1950	1954	1955	1956 <sup>b</sup>
USSR								
Total Reporting Areas.....	301,000	574,000	600,000	780,000	252,000	505,000	633,000	806,000
United States.....	752	219	252	3,820	38,300	11,800	16,900	24,400
Canada.....	168	4,990	2,710	24,800	104	720	643	1,020
OEEC Countries.....	120,000	257,000	270,000	429,000	155,000	330,000	435,000	487,000
Other European Countries.....	64,800	148,000	156,000	190,000	23,700	89,400	101,000	180,000
Near East and Africa.....	33,400	56,000	69,500	46,200	27,800	28,000	33,700	44,000
Far East.....	54,500	9,410	22,900	48,600	6,320	6,310	10,300	38,000
Oceania.....	26,100	40,500	6,410	5,770	1,220	1,930	2,190	1,360
Latin America.....	1,090	57,100	72,700	31,600	42	36,800	32,400	30,100
China								
Total Reporting Areas.....	452,000	294,000	317,000	433,000	535,000	371,000	494,000	622,000
United States.....	46,500	6	3	0	146,000	179	195	223
Canada.....	1,900	72	1,030	2,470	4,880	1,670	3,170	5,780
OEEC Countries.....	56,900	83,000	98,600	183,000	94,800	97,800	128,000	159,000
Other European Countries.....	395	6,610	12,500	11,900	265	2,870	4,370	6,080
Near East and Africa.....	3,540	13,300	27,000	30,000	15,600	14,800	24,600	37,800
Far East.....	332,000	178,000	165,000	192,000	267,000	248,000	327,000	405,000
Oceania.....	1,900	3,260	6,760	10,500	5,250	4,630	5,180	5,454
Latin America.....	9,150	10,000	6,180	3,600	578	916	1,740	1,440
European Satellites								
Total Reporting Areas.....	792,000	896,000	1,160,000	1,310,000	940,000	951,000	1,280,000	1,460,000
United States.....	25,900	5,740	7,000	7,440	42,300	30,500	38,700	41,000
Canada.....	3,720	997	7,970	37,800	5,950	3,230	4,230	9,020
OEEC Countries.....	583,000	657,000	771,000	876,000	688,000	622,000	825,000	976,000
Other European Countries.....	16,300	42,200	70,200	86,800	46,600	102,000	136,000	142,000
Near East and Africa.....	29,700	53,400	87,100	131,000	65,200	81,000	95,800	128,000
Far East.....	28,400	31,900	67,400	63,400	26,900	32,300	55,700	60,300
Oceania.....	42,800	29,400	44,700	41,900	15,600	8,800	8,780	9,980
Latin America.....	61,400	75,300	103,000	68,600	49,200	70,900	120,000	94,500

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Sino-Soviet Bloc <sup>c</sup>								
Total Reporting Areas.....	1,540,000	1,760,000	2,080,000	2,530,000	1,730,000	1,830,000	2,420,000	2,900,000
United States.....	73,200	5,960	7,250	11,300	227,000	49,300	65,200	72,700
Canada.....	5,780	6,060	11,700	65,100	10,900	5,620	8,040	15,800
OECEC Countries.....	761,000	998,000	1,140,000	1,490,000	937,000	1,050,000	1,390,000	1,620,000
Other European Countries.....	81,500	197,000	239,000	289,000	70,600	194,000	2,410,000	328,000
Near East and Africa.....	66,600	123,000	184,000	207,000	109,000	124,000	154,000	210,000
Far East.....	415,000	219,000	255,000	304,000	300,000	287,000	393,000	512,000
Oceania.....	70,800	73,100	57,800	58,100	22,100	15,400	16,200	16,800
Latin America.....	71,700	142,000	182,000	104,000	49,800	109,000	154,000	126,000

<sup>a</sup> Unadjusted.

<sup>b</sup> As of June 1957.

<sup>c</sup> Including trade of North Korea, North Vietnam, and Outer Mongolia where available.

Source: *Value Series*, Bureau of Foreign Commerce, Department of Commerce.

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Table 142  
GOLD STOCK,<sup>a</sup> 1938, 1950, AND 1954-56

Country	1938	1950	1954	1955	Million Current US\$			
					1955	1956		
NATO <sup>b</sup> .....	22,700	29,600	30,200	30,900	30,600			
US.....	14,600	22,800	21,800	21,800	22,100			
USSR.....	2,000	4,000	4,000	4,000	4,000			
NATO COUNTRIES								
	1955	1956		1955	1956			
Belgium.....	929	928	Iceland.....	1.0	<i>n a</i>	Portugal.....	428	448
Canada.....	1,130	1,100	Italy.....	352	<i>n a</i>	Turkey.....	144	144
Denmark.....	31.0	31.0	Netherlands.....	865	844	UK.....	2,120	2,130
France.....	2,120	1,420	Norway.....	45.2	50.3	West Germany.....	920	1,490
Greece.....	10.9	<i>n a</i>						

<sup>a</sup> Excluding foreign exchange holdings.

<sup>b</sup> Excluding Luxembourg (all years) and West Germany (1938 and 1950).

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Table 143

## PRODUCTION OF NAVAL VESSELS IN THE SINO-SOVIET BLOC, 1950 AND 1954-56

Country	Standard Displacement Tons							
	Surface Vessels				Submarines			
1950	1954	1955	1956	1950	1954	1955	1956	
Sino-Soviet Bloc.....	153,000	128,000	117,000	92,000	8,400	66,800	89,000	95,600
USSR.....	153,000	121,000	108,000	74,400	8,400	66,800	88,000	90,600
Communist China.....	n a	3,000	5,000	14,000	n a	n a	1,000	5,000
East Germany.....	420	3,680	3,720	3,960	n a	n a	n a	n a

Table 144

## INVENTORY OF NAVAL VESSELS IN THE SINO-SOVIET BLOC, BY TYPE, END OF 1956

	Sino-Soviet Bloc	USSR	China	Euro-pean Satel-lites				East Ger-many	Poland	Ru-mania	Units
				Bul-garia							
Old battleships.....	1	1	0	0	0	0	0	0	0	0	0
Monitors.....	1	1	0	0	0	0	0	0	0	0	0
Heavy cruisers.....	6	6	0	0	0	0	0	0	0	0	0
Old heavy cruisers.....	0	0	0	0	0	0	0	0	0	0	0
Light cruisers.....	21	20	1	0	0	0	0	0	0	0	0
Old light cruisers.....	2	2	0	0	0	0	0	0	0	0	0
Destroyers.....	145	134	4	7	1	0	0	2	4		
Old destroyers.....	9	8	0	1	0	0	0	1	0		
Coastal destroyers.....	14	14	0	0	0	0	0	0	0		
Submarines.....	494	465	13	16	3	1	9	9	3		

25X1

Table 145

## PRODUCTION OF AIRCRAFT IN THE SINO-SOVIET BLOC, BY TYPE, 1955-1956

	Bombers		Fighters		Transports		Others *	
	1955	1956	1955	1956	1955	1956	1955	1956
Sino-Soviet Bloc <sup>b</sup> .....	1,239	1,185	4,048	3,786	317	664	2,953	2,795
USSR.....	1,239	1,185	3,389	3,231	317	652	1,853	1,750
European Satellites.....	0	0	659	555	0	12	1,100	1,045
Bulgaria.....	0	0	0	0	0	0	60	60
Czechoslovakia.....	0	0	324	195	0	7	932	869
East Germany.....	0	0	0	0	0	5	0	0
Hungary.....	0	0	0	0	0	0	12	10
Poland.....	0	0	335	360	0	0	60	70
Rumania.....	0	0	0	0	0	0	36	36

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\* Including helicopters, trainers, and communications/utility aircraft.

b No production in countries of the Sino-Soviet Bloc which are not listed.

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Table 146  
PRODUCTION OF AIRCRAFT IN THE NATO COUNTRIES, BY TYPE, 1955-1956

	Bombers		Fighters		Transports		Others *	
	1955	1956	1955	1956	1955	1956	1955	1956
NATO <sup>b</sup> .....	1,635	1,330	5,766	4,034	903	916	7,730	9,987
US <sup>c</sup> .....	1,376	1,137	4,016	2,656	724	713	6,574	8,945
Belgium.....	0	0	10	52	0	0	8	0
Canada.....	0	5	448	286	0	0	233	254
France.....	5	9	269	246	31	44	151	212
Italy.....	0	0	0	40	3	0	100	223
Netherlands.....	0	0	15	58	1	0	17	9
Portugal.....	0	0	0	0	0	0	9	22
Turkey.....	0	0	0	0	0	0	25	27
UK <sup>d</sup> .....	264	179	1,008	696	144	159	613	292
West Germany.....	0	0	0	0	0	0	0	3

\* Including trainers, helicopters, search and rescue, and communications/utility aircraft.

<sup>b</sup> No production in Denmark, Greece, Luxembourg, or Norway.

<sup>c</sup> Reconnaissance aircraft are included under bomber, fighter, and transport production in 1955 and 1956 and under other production in 1955.

<sup>d</sup> Reconnaissance aircraft are included under bomber production in 1955 and 1956 and under fighter production in 1955.

25X1

Table 147  
PRODUCTION OF TANKS AND ASSAULT GUNS, BY TYPE, 1955-56

Country	Units							
	Amphibious Tanks		Medium Tanks		Heavy Tanks		Medium Assault Guns	
	1955	1956	1955	1956	1955	1956	1955	1956
US.....	0	0	1,800	1,200	0	0	0	0
Sino-Soviet Bloc <sup>a</sup> .....	300	300	4,900	4,750	800	600	600	950
USSR.....	300	300	4,000	4,000	800	600	0	500
European Satellites.....	0	0	900	750	0	0	600	450
Czechoslovakia .....	0	0	600	450	0	0	600	450
Poland.....	0	0	300	300	0	0	0	0

<sup>a</sup> No production in countries of the Sino-Soviet Bloc which are not listed.

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